```
clear
clc
ans=linspace(0,0,100);
p1=[25,3,1,1,1]; %player starting stats
e1=[25,2,1,1,1]; %enemy starting stats
g=0;
losscounter(1:6)=1;
losscounter(1:2)=0;
```

```
fprintf('FOR DIALOGUE OPTIONS ENTER THE NUMBER BEFORE TEXT TO CHOOSE')
pause(8)
clc
%Start of game
fprintf('Times of conflict have risen in the Carbohydrate Lands.\n')
pause(3)
fprintf('Many cities have begun to plan attacks on other neighboring cities, to capitalize on
 the political turmoil.\n')
pause(4)
fprintf('Warrior, you belong to the kingdom of bread, you must head to the king's throne room
, in order to receive your orders.\n')
pause(4)
%King Baguette Speaking
fprintf('\n\nKing Baguette: My loyal Breadon!\n')
pause(1)
fprintf('I have a mission of utmost importance for you.\n')
pause(2)
fprintf('We have received a tip that the neighboring kingdom, Pilaf, wants to ambush our land
s.\n')
pause(3)
fprintf('It is your job to infiltrate a Council of Rice reunion, the governing power of pilaf
, and make peace, or destroy them.\n')
pause(5)
%Narrator speaking
fprintf('\n\nYou make the long journey, and arrive at Pilaf as a travelling sellsword.\n')
pause(3)
fprintf('Once inside, you make your way into a tavern, near the castle, so you can acquire mo
re money.\n')
pause(4)
fprintf('\n\nThe tavern offers one game, High Low Seven.\n')
pause(2)
fprintf('Depending on how much money you make gambling, you can purchase new items.\n\n')
pause(3)
%
%Gambling High low 7s
g = 75; %money is decleared at 200$
bet = -1;
choice = '';
sumDice = 0;
winnings = 0;
while (bet ~= 0 && g ~=0)
    fprintf('\nYou currently have %i gold.', g)
    bet = input('\nEnter an amount to bet (type 0 to quit): ');
    while (bet > g || bet < 0)
```

```matlab
            fprintf('\nYour is impossible to make.');
            fprintf('\nYou currently have %i gold.', g)
            bet = input('\nEnter an amount to bet (type 0 to quit): ');
        end
        if (bet ~=0)

            choice = input('Are you going High, Low, or Seven (type H,L, or S): ','s');
            while (choice ~= 'H' && choice ~= 'L' && choice ~= 'S')
                 fprintf('\nOnly H, L, or S can be entered.');
                 choice = input('\nAre you going High, low, or seven (type H,L, or S):','s');
            end

            i = 1;
            while i < 3
                arrRoll(i) = randi(6);
                i = i +1;
            end

            fprintf('The dice rolled [%i, %i]', arrRoll(1), arrRoll(2));

            for (i = 1:2)
                sumDice = sumDice + arrRoll(i);
            end

            fprintf('\nThe dice rolled a total of %i', sumDice);

            if (choice == 'H' && sumDice >= 8)
                winnings = bet;
            elseif (choice == 'L' && sumDice <= 6)
                winnings = bet;
            elseif (choice == 'S' && sumDice <= 7)
                winnings = bet *4;
            else
                winnings = bet * -1;
            end

            if (winnings > 0)
                fprintf('\nCongratulations! You won %i gold!', winnings);
            else
                fprintf('\nSorry! You lost your bet!');
            end
            g = g + winnings;
            sumDice =0;
        end

end
```

FOR DIALOGUE OPTIONS ENTER THE NUMBER BEFORE TEXT TO CHOOSETimes of conflict have risen in the Carbohydrate Lands.
Many cities have begun to plan attacks on other neighboring cities, to capitalize on the political turmoil.
Warrior, you belong to the kingdom of bread, you must head to the king's throne room, in order to receive your orders.

King Baguette: My loyal Breadon!
I have a mission of utmost importance for you.
We have received a tip that the neighboring kingdom, Pilaf, wants to ambush our lands.
It is your job to infiltrate a Council of Rice reunion, the governing power of pilaf, and make peace, or destroy them.

You make the long journey, and arrive at Pilaf as a travelling sellsword.
Once inside, you make your way into a tavern, near the castle, so you can acquire more money.

The tavern offers one game, High Low Seven.
Depending on how much money you make gambling, you can purchase new items.

You currently have 75 gold.

Error using input
Cannot call INPUT from EVALC.

Error in SDP_Story_Final (line 47)
    bet = input('\nEnter an amount to bet (type 0 to quit): ');

```matlab
%Strong man in Tavern
fprintf('\n\nNow that you have finished playing, you sit next to a strong man in a bar.\n')
pause(4)
fprintf('He turns to you\n\n')

%Strong Man
fprintf('Man: Never seen you around before.\n')
pause(2)
ans1= input('Man: Where are u from?(Enter 1 or 2)\n1. Just moved to this side of town, trying to find a new place to spend my time.\n2. I come from a different kingdom.\n');
if ans1==1
    anss(1)=1;
    fprintf('Man: Ah, where did you live before?\n')
    ans2=input('1. I come from the higher commons, have made enough money to live in a nicer area such as this.\n2. I come from the lower commons.\n');
else anss(1)=0;
    fprintf('Man: What kingdom is that?\n')
    ans2=input('1. I actually come from outside the Carbohydrate Lands, from a place called Protein.\n2. I come from the kingdom of bread\n');
end
if ans2==1 anss(2)=1;
else
    anss(2)=0;
end
if  anss(1) == 1 && anss(2) ==1
    fprintf('Man: You picked a tough time to move here, we will soon begin an invasion on the Kingdom of Bread, making the area slightly uncomforting.\n')
pause(5)
    fprintf('Breadon: How strong are the soldiers?\n')
    pause(3)
fprintf('Man: Strong enough, no man without a tier 2 sword could stand a chance.\n')
```

```matlab
pause(4)
fprintf('Man: The truly dangerous soldiers are the ones who wield tier 3 swords, which cost 1
50 gold apiece.\n')
pause(5)
fprintf('Man: Our soldiers are also highly intelligent, asking questions on the topic of Math
, Carbs, Science and Art to get a mental advantage.\n')
pause(6)
elseif anss(1) ==0 && anss(2)==1
    fprintf('Man: Huh, never heard of it.\n')
    pause(2)
elseif anss(1)==1 && anss(2) ==0
    fprintf('No one from the lower commons could ever make it here, I see you have been lying
\n')
    pause(4)
    fprintf('\nPREPARE TO FIGHT\n\n')
    pause(3)
    combatFunction([25,3,1,1,1],[25,2,1,0,1]);

    if ans==0
        ans=4;
        losscounter(1)=0;
         g=g+25;
        fprintf('With your win you gained 25 gold\n\n')
    else
        losscounter(1)=1;
    end
else
    fprintf('Man: I see we have a spy here\n')
    pause(2)
    fprintf('\nPREPARE TO FIGHT\n\n')
    pause(3)
    combatFunction([25,3,1,1,1],[25,2,1,0,1]);

        if ans==0
        ans=4;
        losscounter(1)=0;
         g=g+25;
        fprintf('With your win you gained 25 gold\n\n')
    else
        losscounter(1)=1;
    end
end
pause(4)
fprintf('\nThe strong man leaves\n\n')
pause(6)
```

```matlab
%2nd Interaction with man
fprintf('Night Passes, you must now head to the castle. The easiest entrance would be the sol
dier's barracks which is lightly guarded during the day. You head over and somehow find the s
ame man as yesterday.\n')
pause(6)
if anss(2)==0
    fprintf('Man: Didn't think I'd see you again, prepare yourself!\n\n')
    pause(3)
    fprintf('PREPARE TO FIGHT\n\n')
```

```matlab
    pause(3)
    combatFunction([25,3,1,1,1],[25,2,1,1,1]);
        if ans==0
        ans=4;
        losscounter(2)=0;
        g=g+25;
        fprintf('With your win you gained 25 gold\n\n')
    else
        losscounter(2)=1;
    end
else
    fprintf('Man: I thought you looked suspicious, it seems you were really planning on attac
king us.\n\n')
  pause(4)
  fprintf('PREPARE TO FIGHT\n\n')
    pause(3)
    combatFunction([25,3,1,1,1],[25,2,1,1,1]);
        if ans==0
        ans=4;
        losscounter(2)=0;
         g=g+25;
        fprintf('With your win you gained 25 gold\n')
    else
        losscounter(2)=1;
    end
end

if losscounter(1)~=1 || losscounter(2)~=1
fprintf('You acquire his armor, increasing your defense.\n\n\n')
pause(4)


elseif losscounter(1)==1 && losscounter(2)==1
    fprintf('After losing both fights Breadon is left unconsious on the ground')
    pause(8)
    fprintf('He never wakes up\n\n\n\n\n')
  pause(4)
    fprintf('YOU LOSE\n\n')
    pause(3)
    fprintf('Please press run again to restart')
    return;
end
```

```matlab
fprintf('Now, you head to a second tavern in order to prepare for the Council of Rice.\n\n')
pause(5)
```

```matlab
fprintf('Welcome to the Tavern, Breadon\n')
pause(4)
fprintf('You currently have %i gold, after you are done playing Hangman you may buy a new swo
rd for the prices below\n',g)
pause(6)
fprintf('Tier 1: 50 gold\nTier 2: 100 gold\nTier 3: 150 gold\n')
HM= input('Would you like to play Hangman\n1. Yes\n2. No\n');
if HM== 1
```

```
    betH=input('Enter the amount you would like to bet\n');
    HANGMAN;
    if ans==1
        g=g+betH;
        fprintf('Congrats you won %i gold\n',betH)
    else
        g=g-betH;
        fprintf('Sorry you lost %i gold\n',betH)
    end
end
pause(6)
```

```
%Shop
fprintf('\nWelcome to the shop\n')
pause(4)
fprintf('You may purchase different tiers of swords for different prices\n\n')
pause(5)
fprintf('You currently have %i gold, Which would you like to purchase\n',g)
pause(6)
fprintf('Tier 1: 50 gold\nTier 2: 100 gold\nTier 3: 150 gold\n')
tier=input('Input a tier to purchase:0, 1, 2, or 3\n');
if tier==1
    if g >= 50
        g=g-50;
        p1(3)= 2;
    else
        tier=0;
    end
elseif tier==2
    if g >= 100
        g=g-100;
        p1(3)= 4;
    else
        tier=0;
    end
elseif tier==3
    if g >= 150
        g=g-150;
        p1(3)= 8;
    else
        tier=0;
    end
end
fprintf('You managed to acquire Tier %i sword\n',tier)
pause(3)
```

```
%Road to Warriors
fprintf('This will help you in the coming battle.\n\n\n\n')
pause(7)
fprintf('You make your way towards the entrance of the paella palace, with your new gear and
knowledge.\n')
pause(6)
fprintf('The first gate is guarded by a Mathematics Warrior.\n\n\n')
pause(4)
```

```matlab
%Mathmatics Warrior
fprintf('I am the Mathematics Warrior!\n')
fprintf('If you answer my three questions correctly, I will let you through.\n')
fprintf('Let's begin:\n\n')

ansQ1=input('Q1: What is the 3rd decimal point of pi.\n1. 3\n2. 6\n3. 1\n');
ansQ2=input('Q2: What is the second derivative of x\n1. 0\n2. 1\n3. x\n');
ansQ3=input('Q3: What is missing in the series 2 5 11 23 47 __\n1. 78\n2. 95\n3. 63\n');
if ansQ1== 3 && ansQ2==1 && ansQ3==2
    fprintf('Correct, very well done. You may go through\n\n')
else
    while losscounter(3)==1
    fprintf('\nPREPARE TO FIGHT\n\n')
    pause(3)
    combatFunction([35,4,1,1,1],[35,3,1,1,1]);
        if ans==0
        ans=4;
        losscounter(3)=0;

    else
        losscounter(3)=1;
        fprintf('After losing the fight Breadon gets back up for another chance\n')
        pause(6)
        end
    end
end
```

```matlab
%Science Warrior
fprintf('You then approach the Science Warrior\n\n\n')
pause(3)
fprintf('I am the Science Warrior!\n')
fprintf('If you answer my three questions correctly, I will let you through.\n')
fprintf('Let's begin:\n\n')

ansQ4=input('Q1: What is the name of the last column on the periodic table?\n1. Noble Gasses\n2. Metals\n3. Carbon\n');
ansQ5=input('Q2: What is the acceleration of gravity?\n1. 0\n2. 5\n3. 9.8\n');
ansQ6=input('Q3: Is climate change a real thing?\n1. No\n2. Yes\n');
if ansQ4== 1 && ansQ5==3 && ansQ6==2
    fprintf('Correct, very well done. You may go through\n\n')
else
    while losscounter(4)==1
    fprintf('\nPREPARE TO FIGHT\n\n')
    pause(3)
    combatFunction([35,4,1,1,1],[35,3,1,2,1]);
        if ans==0
        ans=4;
        losscounter(4)=0;

    else
        losscounter(4)=1;
        fprintf('After losing the fight Breadon gets back up for another chance\n')
        pause(6)
```

```matlab
        end
    end
end
pause(4)
```

```matlab
%Art Warrior
fprintf('You then approach the Art Warrior\n\n\n')
pause(3)
fprintf('I am the Art Warrior!\n')
pause(3)
fprintf('If you answer my three questions correctly, I will let you through.\n')
pause(5)
fprintf('Let's begin:\n\n')
pause(2)

ansQ7=input('Q1: Which is a primary color?\n1. Green\n2. Yellow\n3. Orange\n');
ansQ8=input('Q2: What is the most sold jazz album of all time?\n1. 25\n2. Scorpion\n3. Kind o
f Blue\n');
ansQ9=input('Q3: Who painted the Mona Lisa?\n1. Da Vinci\n2. Picasso\n3. Charles\n');
if ansQ7== 2 && ansQ8==3 && ansQ9==1
    fprintf('Correct, very well done. You may go through\n\n')
else
    while losscounter(5)==1
    fprintf('\nPREPARE TO FIGHT\n\n')
    pause(3)
    combatFunction([35,4,1,1,1],[35,3,1,3,1]);
        if ans==0
        ans=4;
        losscounter(5)=0;

    else
        losscounter(5)=1;
        fprintf('After losing the fight Breadon gets back up for another chance\n')
        pause(6)
        end
    end
end
pause(4)
```

```matlab
%Carbohydrate Warrior
fprintf('You then finaly approach the Carbohydrate Warrior\n')
pause(4)
fprintf('The last of the mighty warriors\n\n\n')
pause(4)
fprintf('I am the Carbohydrate Warrior!\n')
pause(3)
fprintf('If you answer my three questions correctly, I will let you through.\n')
pause(5)
fprintf('Let's begin:\n\n')
pause(2)

ansQ10=input('Q1: What is the best carbohydrate food?\n1. Rice\n2. Chicken\n3. Bread\n');
ansQ11=input('Q2: How much calories are usually in 1 gram of carbohydrates?\n1. 4\n2. 0\n3. 5
0\n');
```

```matlab
ansQ12=input('Q3: What substance makes some bread rise?\n1. Flour\n2. Yeast\n3. Milk\n');
if ansQ10== 1 && ansQ11==1 && ansQ12==2
    fprintf('Correct, very well done. You may go through\n\n')
else
    while losscounter(6)==1
    fprintf('\nPREPARE TO FIGHT\n\n')
    pause(3)
    combatFunction([35,4,1,1,1],[35,3,4,1,1]);
        if ans==0
        ans=4;
        losscounter(6)=0;

    else
        losscounter(6)=1;
        fprintf('After losing the fight Breadon gets back up for another chance\n')
        pause(6)
        end
    end
end
```

```matlab
%Castle
fprintf('You managed to get past every warrior defending the castle.\n')
pause(4)
fprintf('You enter the castle to find three members of the council, Short Grain, Medium Grain
, Long Grain\n')
pause(6)
fprintf('Rice Council: You have defeated all of our great warriors, we surrender to the Bread
 Kingdom\n')
pause(6)
fprintf('After taking the Rice council back to the Bread kingdom, the entire kindom is set ab
laze\n')
pause(6)
fprintf('Breadon: My king! I've come with good news! The city is safe!\n')
pause(6)
fprintf('Breadon: I have also brought back the council that wished to destroy you\n')
pause(6)
fprintf('Breadon: Their entire kindom has been burned to ash and I wanted to let you decide w
hat to do with them\n')
pause(7)
fprintf('King: Oh my! Thank you so much Breadon! I knew you were the right man for the job!\n
')
pause(6)
fprintf('King: They will be punished accordingly\n')
pause(5)
fprintf('King: For all that you have done for the kingdom\n')
pause(5)
fprintf('King: I bestow upon you the title: Baron of Texas Toast.\n\n\n')
pause(8)
fprintf('CONGRATS YOU WIN\n')
```