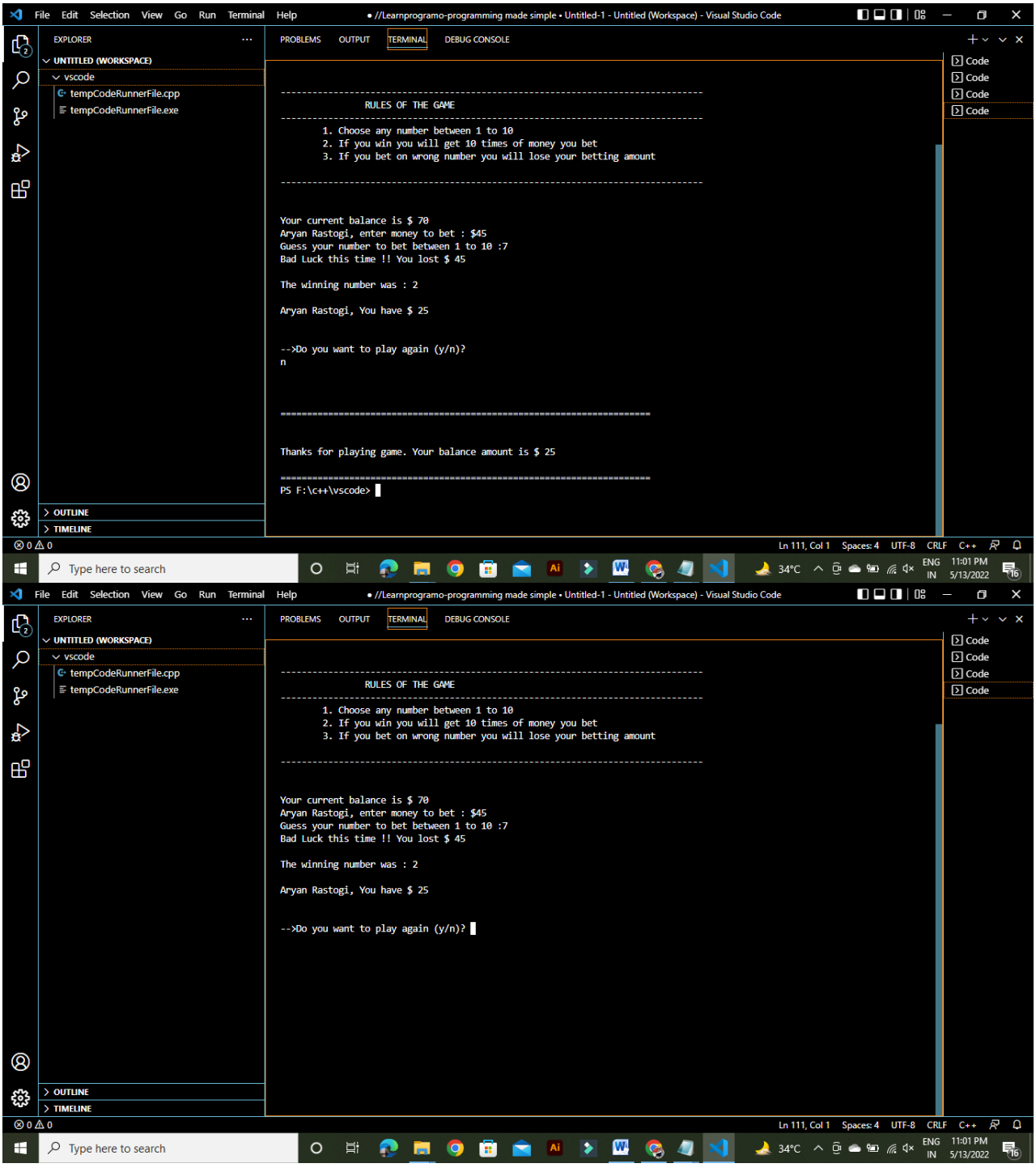
```
//                HEADER FILE USED IN PROJECT


#include <iostream>
#include <string> // Needed to use strings
#include <cstdlib> // Needed to use random numbers
#include <ctime>
using namespace std;

//                Functions declaration

void drawLine(int n, char symbol);
void rules();

//                Main Function
int main()
{
   string playerName;
   int amount; // hold player's balance amount
   int bettingAmount;
   int guess;
   int dice; // hold computer generated number
   char choice;

   srand(time(0)); // "Seed" the random generator

   drawLine(60,'_');
   cout << "\n\n\n\t\tCASINO GAME\n\n\n\n";
   drawLine(60,'_');

   cout << "\n\nEnter Your Name : ";
   getline(cin, playerName);

   cout << "\n\nEnter Deposit amount to play game : $";
   cin >> amount;

   do
   {
      system("cls");
      rules();
      cout << "\n\nYour current balance is $ " << amount << "\n";

                  // Get player's betting amount
      do
      {
         cout <<playerName<<", enter money to bet : $";
```

```
            cin >> bettingAmount;
            if(bettingAmount > amount)
                cout << "Your betting amount is more than your current balance\n"
                     <<"\nRe-enter data\n ";
        }while(bettingAmount > amount);

                     // Get player's numbers
        do
        {
            cout << "Guess your number to bet between 1 to 10 :";
            cin >> guess;
            if(guess <= 0 || guess > 10)
                cout << "Please check the number!! should be between 1 to 10\n"
                   <<"\nRe-enter data\n ";
        }while(guess <= 0 || guess > 10);

        dice = rand()%10 + 1; // Will hold the randomly generated integer between 1 and 10

        if(dice == guess)
        {
            cout << "\n\nGood Luck!! You won Rs." << bettingAmount * 10;
            amount = amount + bettingAmount * 10;
        }
        else
        {
            cout << "Bad Luck this time !! You lost $ "<< bettingAmount <<"\n";
            amount = amount - bettingAmount;
        }

        cout << "\nThe winning number was : " << dice <<"\n";
        cout << "\n"<<playerName<<", You have $ " << amount << "\n";
        if(amount == 0)
        {
            cout << "You have no money to play ";
            break;
        }
        cout << "\n\n-->Do you want to play again (y/n)? ";
        cin >> choice;
    }while(choice =='Y'|| choice=='y');

    cout << "\n\n\n";
    drawLine(70,'=');
    cout << "\n\nThanks for playing game. Your balance amount is $ " << amount <<
"\n\n";
    drawLine(70,'=');
```

```
    return 0;
}

//                  Functions to draw a line of symbol

void drawLine(int n, char symbol)
{
    for(int i=0; i<n; i++)
        cout << symbol;
    cout << "\n" ;
}

 //                  Functions to display rules

void rules()
{
    system("cls");
    cout << "\n\n";
    drawLine(80,'-');
    cout << "\t\tRULES OF THE GAME\n";
    drawLine(80,'-');
    cout << "\t1. Choose any number between 1 to 10\n";
    cout << "\t2. If you win you will get 10 times of money you bet\n";
    cout << "\t3. If you bet on wrong number you will lose your betting amount\n\n";
    drawLine(80,'-');
}

// END OF PROGRAM
```

Welcome


File Edit Selection View Go Run Terminal Help
• //Learnprogramo-programming made simple • Untitled-1 - Untitled (Workspace) - Visual Studio Code
EXPLORER
UNTITLED (WORKSPACE)
vscode
tempCodeRunnerFile.cpp
tempCodeRunnerFile.exe
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
RULES OF THE GAME
1. Choose any number between 1 to 10
2. If you win you will get 10 times of money you bet
3. If you bet on wrong number you will lose your betting amount
Your current balance is $ 70
Aryan Rastogi, enter money to bet : $45
Guess your number to bet between 1 to 10 :7
Bad Luck this time !! You lost $ 45
The winning number was : 2
Aryan Rastogi, You have $ 25
-->Do you want to play again (y/n)?
n
Thanks for playing game. Your balance amount is $ 25
PS F:\c++\vscode>
OUTLINE
TIMELINE
Ln 111, Col 1 Spaces: 4 UTF-8 CRLF C++
Type here to search
34°C
ENG IN 11:01 PM 5/13/2022

File Edit Selection View Go Run Terminal Help
• //Learnprogramo-programming made simple • Untitled-1 - Untitled (Workspace) - Visual Studio Code
EXPLORER
UNTITLED (WORKSPACE)
vscode
tempCodeRunnerFile.cpp
tempCodeRunnerFile.exe
PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE
RULES OF THE GAME
1. Choose any number between 1 to 10
2. If you win you will get 10 times of money you bet
3. If you bet on wrong number you will lose your betting amount
Your current balance is $ 70
Aryan Rastogi, enter money to bet : $45
Guess your number to bet between 1 to 10 :7
Bad Luck this time !! You lost $ 45
The winning number was : 2
Aryan Rastogi, You have $ 25
-->Do you want to play again (y/n)?
OUTLINE
TIMELINE
Ln 111, Col 1 Spaces: 4 UTF-8 CRLF C++
Type here to search
34°C
ENG IN 11:01 PM 5/13/2022