

```

1  #include <iostream>
2  #include <string> // Needed to use strings
3  #include <cstdlib> // Needed to use random numbers
4  #include <ctime>
5  using namespace std;
6
7  void drawLine(int n, char symbol);
8  void rules();
9
10 int main()
11 {
12     string playerName;
13     int amount; // hold player's balance amount
14     int bettingAmount;
15     int guess;
16     int dice; // hold computer generated number
17     char choice;
18
19     srand(time(0)); // "Seed" the random generator
20
21     drawLine(60, '_');
22     cout << "\n\n\n\t\tCASINO GAME\n\n\n\n";
23     drawLine(60, '_');
24
25     cout << "\n\nEnter Your Name : ";
26     getline(cin, playerName);
27
28     cout << "\n\nEnter Deposit amount to play game : $";
29     cin >> amount;
30
31     do
32     {
33         system("cls");
34         rules();
35         cout << "\n\nYour current balance is $ " << amount << "\n";
36
37         // Get player's betting amount
38         do
39         {
40             cout << playerName << ", enter money to bet : $";
41             cin >> bettingAmount;
42             if(bettingAmount > amount)
43                 cout << "Your betting amount is more than your current balance\n"
44                     << "\nRe-enter data\n ";
45         }while(bettingAmount > amount);
46
47         // Get player's numbers
48         do
49         {
50             cout << "Guess your number to bet between 1 to 10 :";
51             cin >> guess;
52             if(guess <= 0 || guess > 10)
53                 cout << "Please check the number!! should be between 1 to 10\n"
54                     << "\nRe-enter data\n ";
55         }while(guess <= 0 || guess > 10);
56
57         dice = rand()%10 + 1; // Will hold the randomly generated integer between 1 and 10
58
59         if(dice == guess)
60         {
61             cout << "\n\nGood Luck!! You won Rs." << bettingAmount * 10;
62             amount = amount + bettingAmount * 10;
63         }
64         else
65         {
66             cout << "Bad Luck this time !! You lost $ " << bettingAmount << "\n";

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67         amount = amount - bettingAmount;
68     }
69
70     cout << "\nThe winning number was : " << dice << "\n";
71     cout << "\n" << playerName << ", You have $ " << amount << "\n";
72     if (amount == 0)
73     {
74         cout << "You have no money to play ";
75         break;
76     }
77     cout << "\n\n-->Do you want to play again (y/n)? ";
78     cin >> choice;
79     } while (choice == 'Y' || choice == 'y');
80
81     cout << "\n\n\n";
82     drawLine(70, '=');
83     cout << "\n\nThanks for playing game. Your balance amount is $ " << amount << "\n\n";
84     drawLine(70, '=');
85
86     return 0;
87 }
88
89 void drawLine(int n, char symbol)
90 {
91     for (int i = 0; i < n; i++)
92         cout << symbol;
93     cout << "\n" ;
94 }
95
96 void rules()
97 {
98     system("cls");
99     cout << "\n\n";
100    drawLine(80, '-');
101    cout << "\t\tRULES OF THE GAME\n";
102    drawLine(80, '-');
103    cout << "\t1. Choose any number between 1 to 10\n";
104    cout << "\t2. If you win you will get 10 times of money you bet\n";
105    cout << "\t3. If you bet on wrong number you will lose your betting amount\n\n";
106    drawLine(80, '-');
107 }
108
109 /* output
110
111
112
113
114             CASINO GAME
115
116
117
118
119
120
121 Enter Your Name : riya
122
123
124 Enter Deposit amount to play game : $9
125
126
127 -----
128             RULES OF THE GAME
129 -----
130     1. Choose any number between 1 to 10
131     2. If you win you will get 10 times of money you bet
132     3. If you bet on wrong number you will lose your betting amount

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```
133
134 -----
135
136
137 Your current balance is $ 9
138 riya, enter money to bet : $8
139 Guess your number to bet between 1 to 10 :5
140 Bad Luck this time !! You lost $ 8
141
142 The winning number was : 10
143
144 riya, You have $ 1
145
146
147 -->Do you want to play again (y/n)? y
148
149 -----
150
151          RULES OF THE GAME
152 -----
153          1. Choose any number between 1 to 10
154          2. If you win you will get 10 times of money you bet
155          3. If you bet on wrong number you will lose your betting amount
156 -----
157
158 Your current balance is $ 1
159 riya, enter money to bet : $1
160 Guess your number to bet between 1 to 10 :8
161 Bad Luck this time !! You lost $ 1
162
163 The winning number was : 10
164
165 riya, You have $ 0
166 You have no money to play
167
168 =====
169
170 Thanks for playing game. Your balance amount is $ 0
171
172 =====
173
174 Process returned 0 (0x0)   execution time : 171.256 s
175 Press any key to continue.
176 */
```