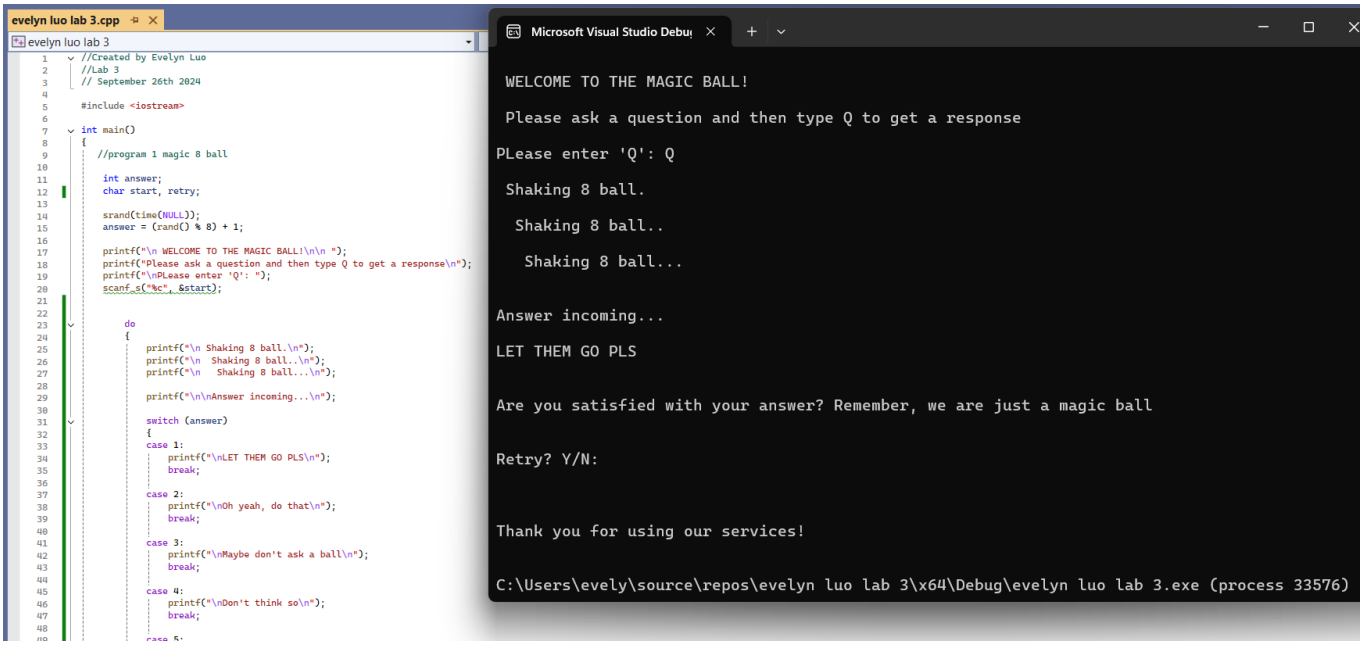
Lab 3 Evelyn Luo

Program 1

evelyn luo lab 3 | (Global Scope) | main()

```
1   //Created by Evelyn Luo
2   //Lab 3
3   // September 26th 2024
4
5   #include <iostream>
6
7   int main()
8   {
9     //program 1 magic 8 ball
10
11     int answer;
12     char start, retry;
13
14     srand(time(NULL));
15     answer = (rand() % 8) + 1;
16
17     printf("\n WELCOME TO THE MAGIC BALL!\n\n ");
18     printf("Please ask a question and then type Q to get a response\n");
19     printf("\nPLease enter 'Q': ");
20     scanf_s("%c", &start);
21
22
23         do
24         {
25             printf("\n Shaking 8 ball.\n");
26             printf("\n  Shaking 8 ball..\n");
27             printf("\n   Shaking 8 ball...\n");
28
29             printf("\n\nAnswer incoming...\n");
30
31             switch (answer)
32             {
33             case 1:
34                 printf("\nLET THEM GO PLS\n");
35                 break;
36
37             case 2:
38                 printf("\nOh yeah, do that\n");
39                 break;
40
41             case 3:
42                 printf("\nMaybe don't ask a ball\n");
43                 break;
44
45             case 4:
46                 printf("\nDon't think so\n");
47                 break;
48
49             case 5:
50                 printf("\nNahh\n");
51                 break;
52
53             case 6:
54                 printf("\nGo for it\n");
55                 break;
56
57             case 7:
58                 printf("\nIt is not meant to be\n");
59                 break;
60
61             case 8:
62                 printf("\nWhy not\n");
63                 break;
64
65             }
66
67             printf("\n\nAre you satisfied with your answer? Remember, we are just a magic ball\n\n\nRetry? Y/N: \n");
68             scanf_s("%c", &retry);
69         } while (retry == 'Y');
70
71         if (retry == 'N')
72         {
73             printf("\n\n\nThank you for using our services!\n\n");
74         }
75
76         return 0;
77
78  }
```

Outcome 1



evelyn luo lab 3.cpp

evelyn luo lab 3

```cpp
//Created by Evelyn Luo
//Lab 3
// September 26th 2024

#include <iostream>

int main()
{
    //program 1 magic 8 ball

    int answer;
    char start, retry;

    srand(time(NULL));
    answer = (rand() % 8) + 1;

    printf("\n WELCOME TO THE MAGIC BALL!\n\n ");
    printf("Please ask a question and then type Q to get a response\n");
    printf("\nPLease enter 'Q': ");
    scanf_s("%c", &start);


        do
        {
            printf("\n Shaking 8 ball.\n");
            printf("\n  Shaking 8 ball..\n");
            printf("\n   Shaking 8 ball...\n");

            printf("\n\nAnswer incoming...\n");

            switch (answer)
            {
            case 1:
                printf("\nLET THEM GO PLS\n");
                break;

            case 2:
                printf("\nOh yeah, do that\n");
                break;

            case 3:
                printf("\nMaybe don't ask a ball\n");
                break;

            case 4:
                printf("\nDon't think so\n");
                break;
```

Microsoft Visual Studio Debu

```
 WELCOME TO THE MAGIC BALL!

 Please ask a question and then type Q to get a response

PLease enter 'Q': Q

 Shaking 8 ball.

  Shaking 8 ball..

   Shaking 8 ball...

Answer incoming...

LET THEM GO PLS

Are you satisfied with your answer? Remember, we are just a magic ball

Retry? Y/N:


Thank you for using our services!

C:\Users\evely\source\repos\evelyn luo lab 3\x64\Debug\evelyn luo lab 3.exe (process 33576)
```

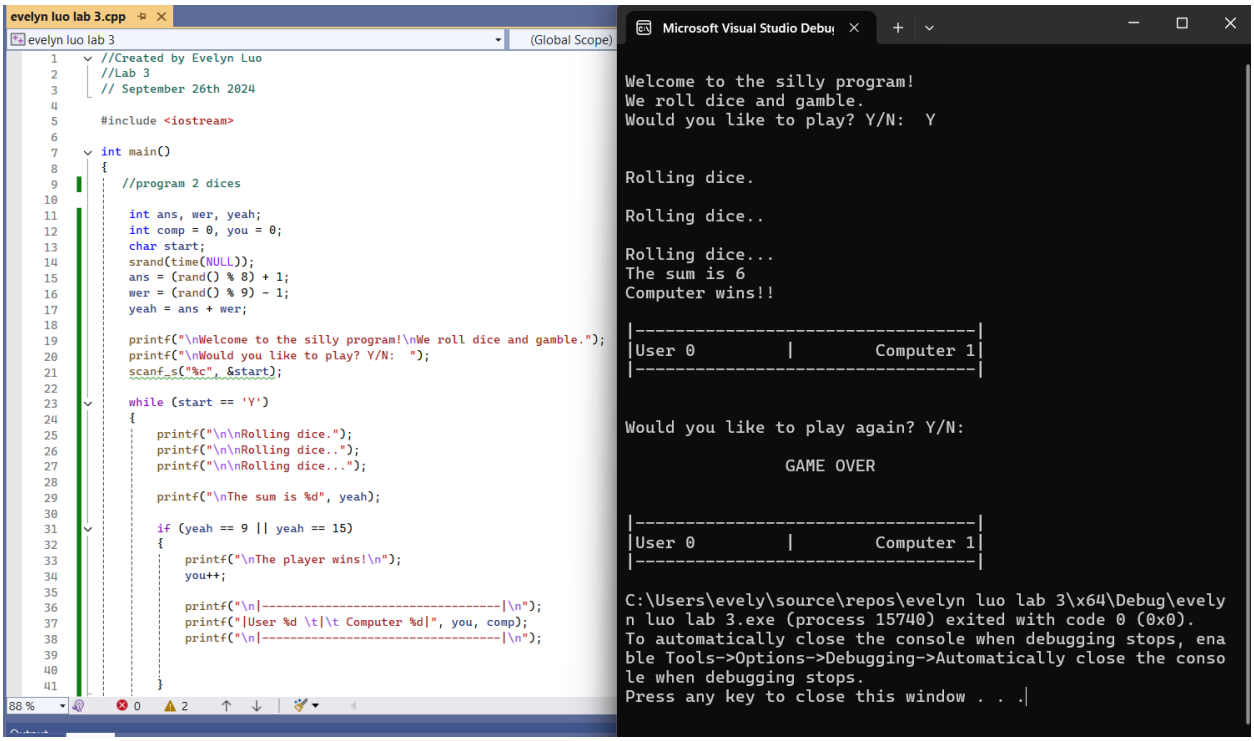
Program 2

evelyn luo lab 3.cpp

evelyn luo lab 3 | (Global Scope) | main()

```cpp
//Created by Evelyn Luo
//Lab 3
// September 26th 2024

#include <iostream>

int main()
{
  //program 2 dices

   int ans, wer, yeah;
   int comp = 0, you = 0;
   char start;
   srand(time(NULL));
   ans = (rand() % 8) + 1;
   wer = (rand() % 9) - 1;
   yeah = ans + wer;

   printf("\nWelcome to the silly program!\nWe roll dice and gamble.");
   printf("\nWould you like to play? Y/N:  ");
   scanf_s("%c", &start);

   while (start == 'Y')
   {
      printf("\n\nRolling dice.");
      printf("\n\nRolling dice..");
      printf("\n\nRolling dice...");

      printf("\nThe sum is %d", yeah);

      if (yeah == 9 || yeah == 15)
      {
         printf("\nThe player wins!\n");
         you++;

         printf("\n|----------------------------------|\n");
         printf("|User %d \t|\t Computer %d|", you, comp);
         printf("\n|----------------------------------|\n");



      }

      else
      {
         printf("\nComputer wins!!\n");
         comp++;

         printf("\n|----------------------------------|\n");
         printf("|User %d \t|\t Computer %d|", you, comp);
         printf("\n|----------------------------------|\n");



      }

      printf("\n\nWould you like to play again? Y/N: ");
      scanf_s("%c", &start);

   }

   printf("\n\n\t\tGAME OVER\n\n");
   printf("\n|----------------------------------|\n");
   printf("|User %d \t|\t Computer %d|", you, comp);
   printf("\n|----------------------------------|\n");


   return 0;
}
// A/N: I had saved this part in a visual studio doc but when i tried to open it again,
// the code just wouldn't load. I had to redo everything :'D
```

Outcome 2



evelyn luo lab 3.cpp

```
//Created by Evelyn Luo
//Lab 3
// September 26th 2024

#include <iostream>

int main()
{
  //program 2 dices

   int ans, wer, yeah;
   int comp = 0, you = 0;
   char start;
   srand(time(NULL));
   ans = (rand() % 8) + 1;
   wer = (rand() % 9) - 1;
   yeah = ans + wer;

   printf("\nWelcome to the silly program!\nWe roll dice and gamble.");
   printf("\nWould you like to play? Y/N:  ");
   scanf_s("%c", &start);

   while (start == 'Y')
   {
      printf("\n\nRolling dice.");
      printf("\n\nRolling dice..");
      printf("\n\nRolling dice...");

      printf("\nThe sum is %d", yeah);

      if (yeah == 9 || yeah == 15)
      {
         printf("\nThe player wins!\n");
         you++;

         printf("\n|----------------------------------|\n");
         printf("|User %d \t|\t Computer %d|", you, comp);
         printf("\n|----------------------------------|\n");


      }
```

```
Microsoft Visual Studio Debu

Welcome to the silly program!
We roll dice and gamble.
Would you like to play? Y/N:  Y


Rolling dice.

Rolling dice..

Rolling dice...
The sum is 6
Computer wins!!

|----------------------------------|
|User 0         |        Computer 1|
|----------------------------------|


Would you like to play again? Y/N:

               GAME OVER


|----------------------------------|
|User 0         |        Computer 1|
|----------------------------------|

C:\Users\evely\source\repos\evelyn luo lab 3\x64\Debug\evely
n luo lab 3.exe (process 15740) exited with code 0 (0x0).
To automatically close the console when debugging stops, ena
ble Tools->Options->Debugging->Automatically close the conso
le when debugging stops.
Press any key to close this window . . .
```