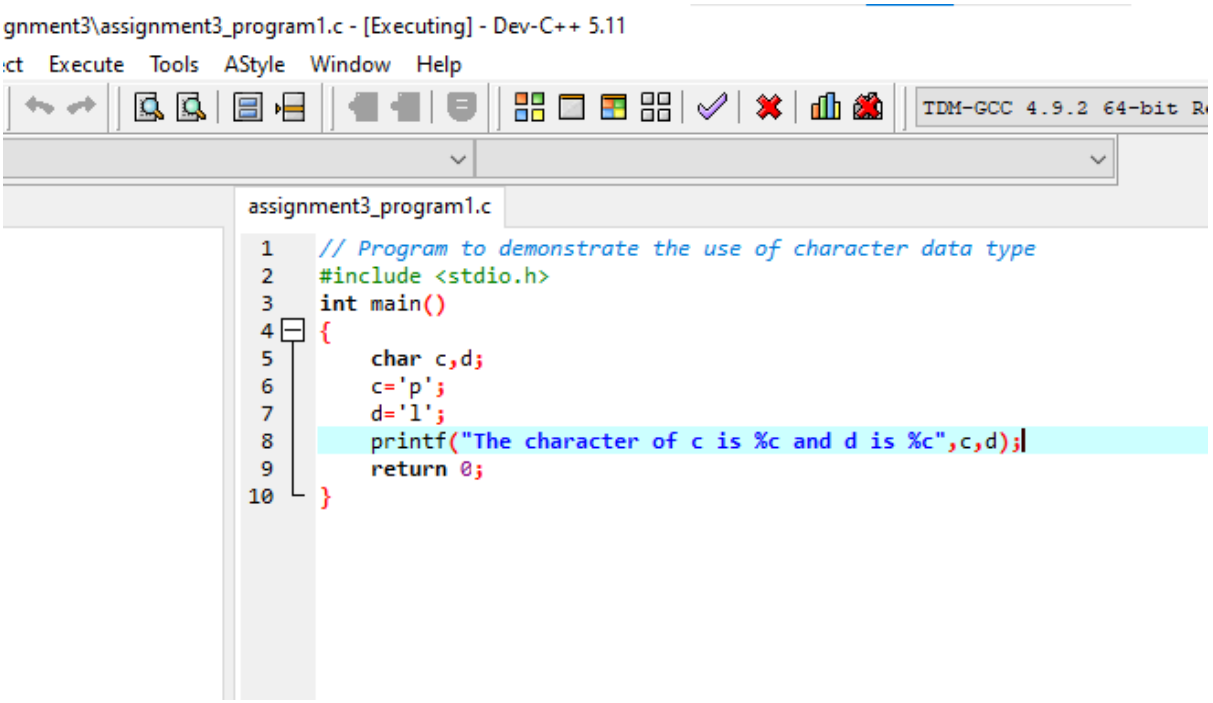
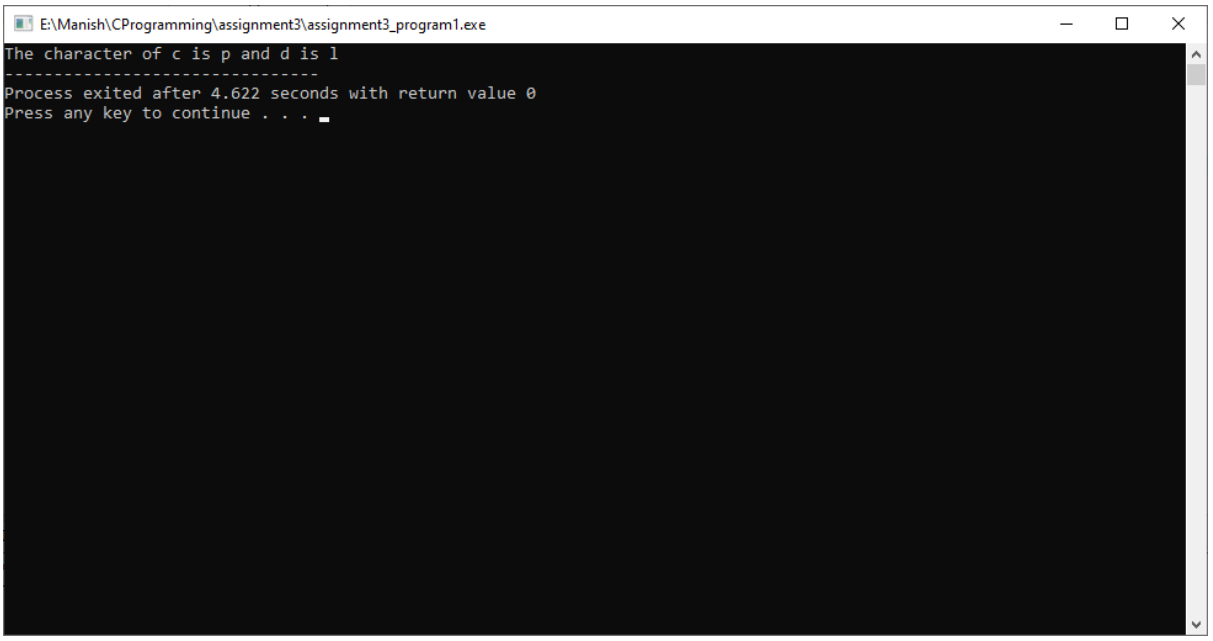
1. Program to demonstrate the use of character data type.
   Code:

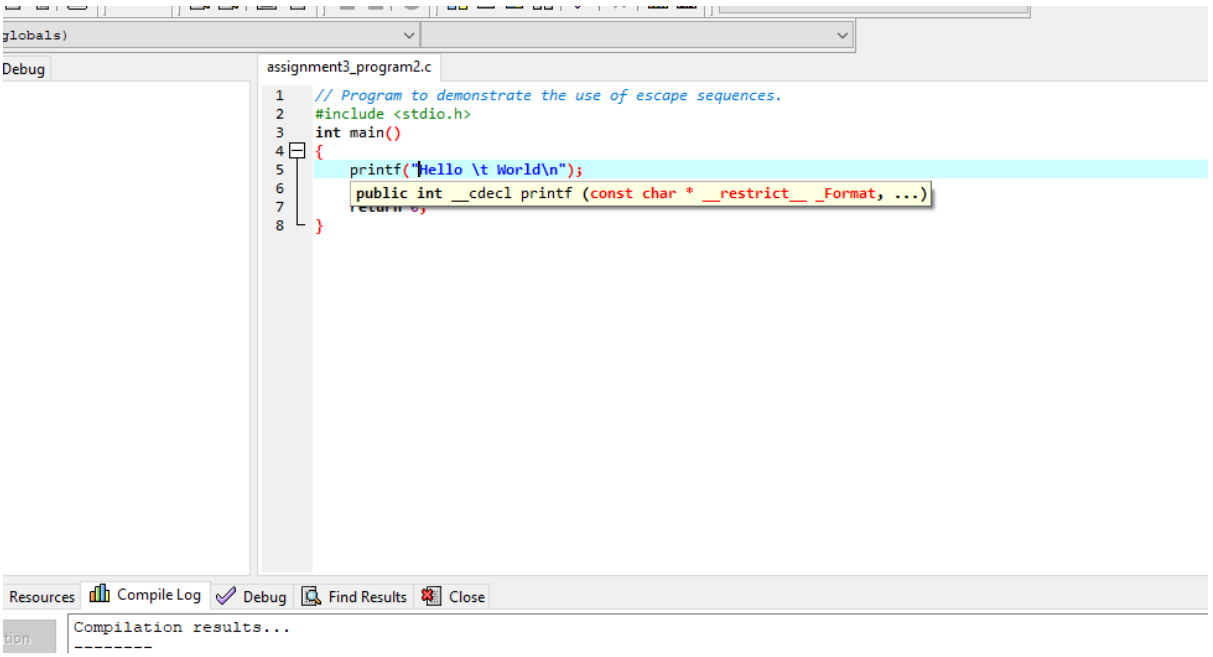


Output:

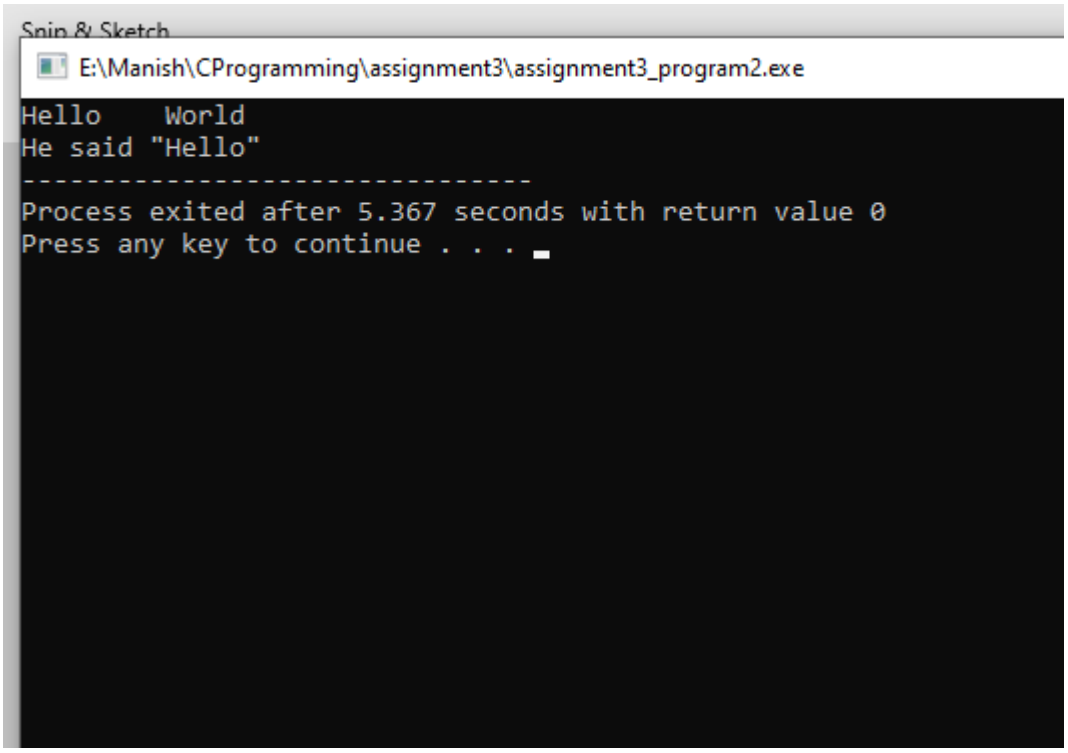


2. Program to demonstrate the use of escape sequences.

Code



Output



3. Program to compute the area of a circle using symbolic constant.

Code

assignment3_program2.c assignment3_program3.c

```c
// Program to compute the area of a circle using symbolic constant.
#include <stdio.h>
int main()
{
    float radius,area;
    printf("\n Enter the radius of a circle: ");
    scanf("%f",&radius);
    float PI = 3.1416;
    area = PI * radius * radius;
    printf("\n The area of the circle with radius %.2f is %.2f",radius,area);
    return 0;
}
```

Output

```
E:\Manish\CProgramming\assignment3\assignment3_program3.exe

 Enter the radius of a circle: 15

 The area of the circle with radius 15.00 is 706.86
--------------------------------
Process exited after 6.682 seconds with return value 0
Press any key to continue . . .
```

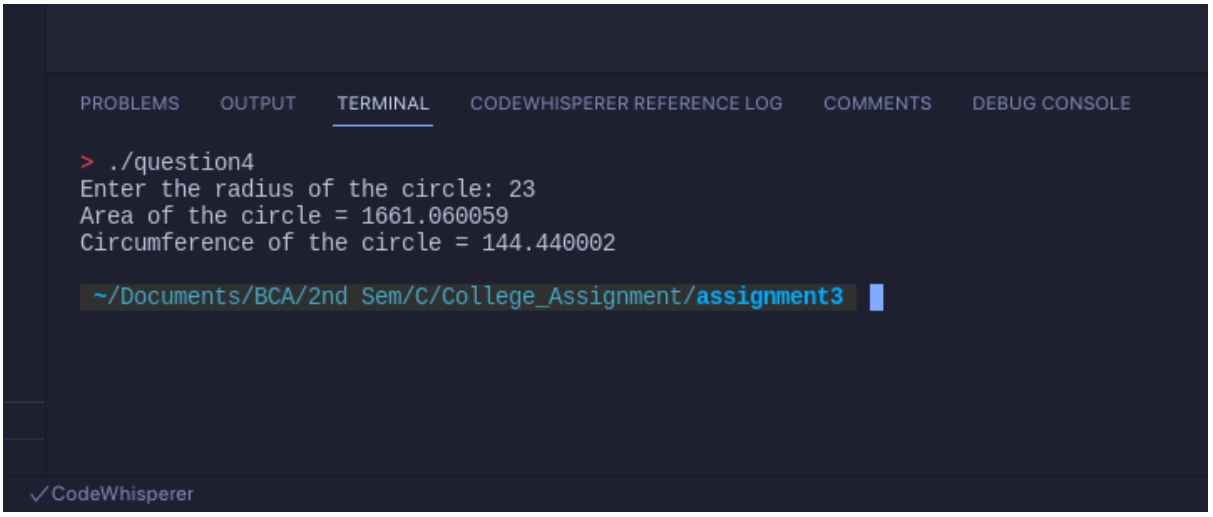
4. Program to compute an area and circumference of a circle.

Code

```c
// Program to compute an area and circumference of a circle.

#include <stdio.h>
int main()
{
    float radius, area, circumference;
    printf("Enter the radius of the circle: ");
    scanf("%f", &radius);
    area = 3.14 * radius * radius;
    circumference = 2 * 3.14 * radius;
    printf("Area of the circle = %f\n", area);
    printf("Circumference of the circle = %f\n", circumference);
    return 0;
}
```

Output



5. Program to display BIM.

Code

```c
// Program to display BIM.

#include <stdio.h>
int main()
{
    printf("BIM\n");
    return 0;
}
```

Output

6. Program to add, subtract, multiply, and divide two whole numbers.

Code

```c
// Program to add, subtract, multiply, and divide two whole numbers.

#include <stdio.h>
int main()
{
    int num1, num2;
    printf("Enter two numbers: ");
    scanf("%d %d", &num1, &num2);
    printf("Sum = %d\n", num1 + num2);
    printf("Difference = %d\n", num1 - num2);
    printf("Product = %d\n", num1 * num2);
    printf("Quotient = %f\n",(float)num1 / num2);
    return 0;
}
```

Output

7. Program to find simple interest.

Code

```c
// Program to find simple interest.

#include <stdio.h>
int main()
{
    int p, t;
    float r, si;
    printf("Enter the value of p, t, r: ");
    scanf("%d%d%f", &p, &t, &r);
    si = (p * t * r) / 100;
    printf("Simple interest = %f", si);
    return 0;
}
```

Output

8. Program to convert a temperature given in Celsius to Fahrenheit.

Code

```c
// Program to convert a temperature given in Celsius to Fahrenheit.

#include <stdio.h>
int main()
{
    float celsius, fahrenheit;
    printf("Enter temperature in Celsius: ");
    scanf("%f", &celsius);
    fahrenheit = (celsius * 9 / 5) + 32;
    printf("Temperature in Fahrenheit: %.2f", fahrenheit);
    return 0;
}
```

Output