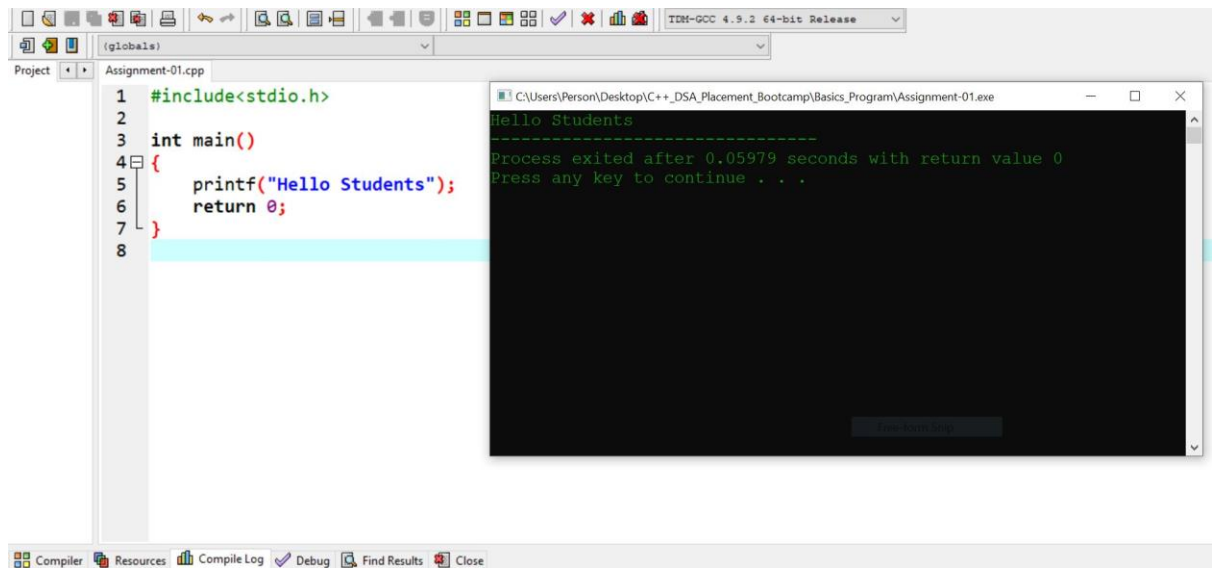


Assignment – 1

1. Write a program to print Hello Students on the screen.

Ans:



The screenshot shows a C++ IDE with a project named 'Assignment-01.cpp'. The code in the editor is as follows:

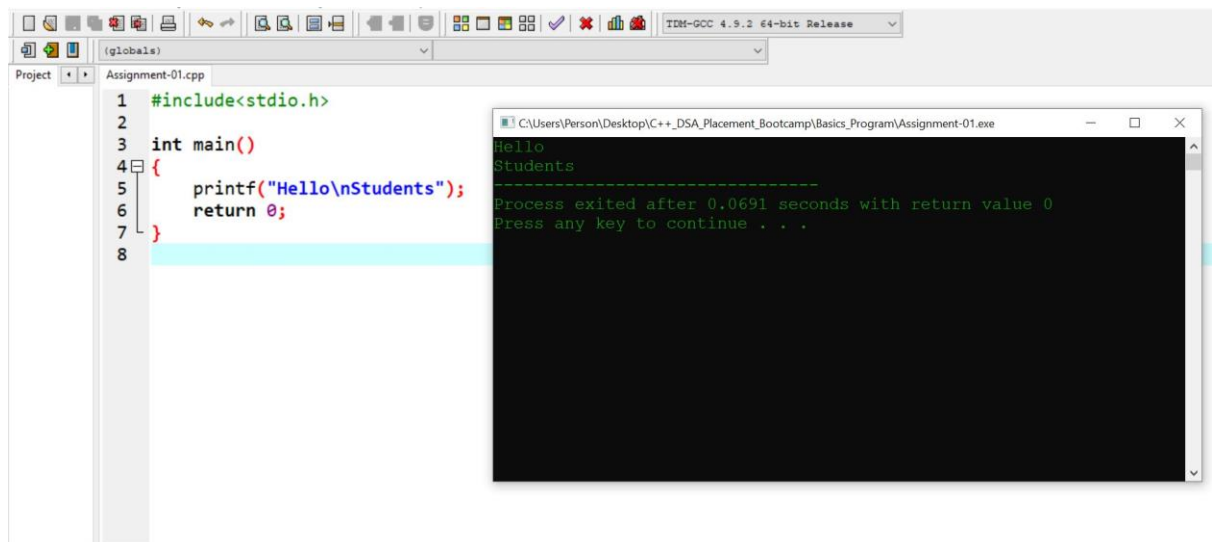
```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("Hello Students");
6     return 0;
7 }
8
```

The output window on the right shows the execution results:

```
C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\Assignment-01.exe
Hello Students
-----
Process exited after 0.05979 seconds with return value 0
Press any key to continue . . .
```

2. Write a program to print Hello in the first line and Students in the second line.

Ans:



The screenshot shows a C++ IDE with a project named 'Assignment-01.cpp'. The code in the editor is as follows:

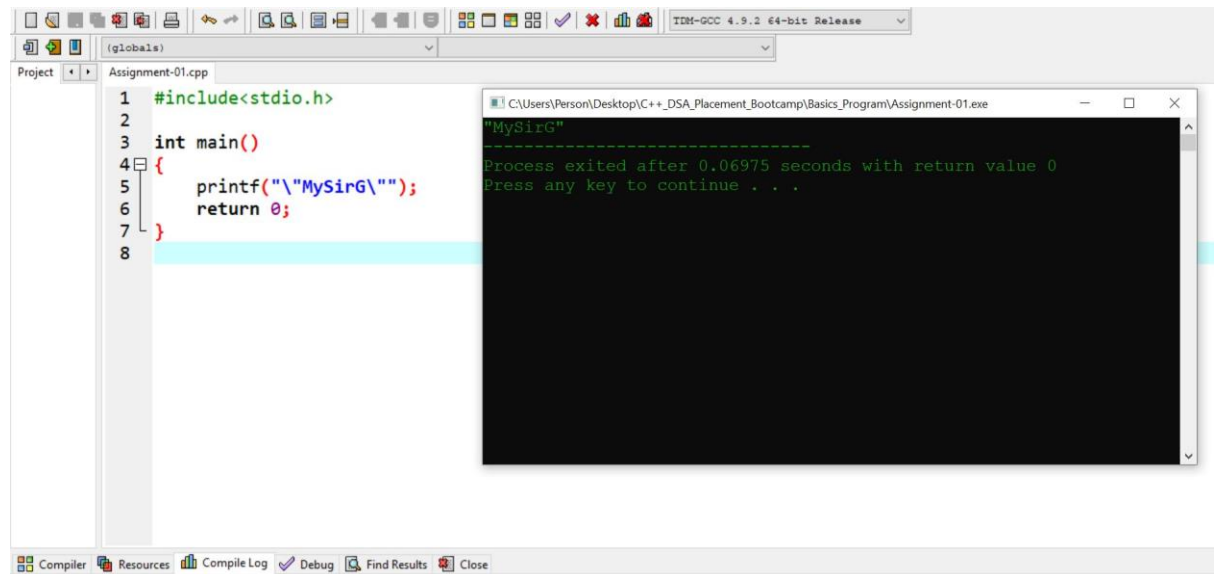
```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("Hello\nStudents");
6     return 0;
7 }
8
```

The output window on the right shows the execution results:

```
C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\Assignment-01.exe
Hello
Students
-----
Process exited after 0.0691 seconds with return value 0
Press any key to continue . . .
```

3. Write a program to print "MySirG" on the screen. (Remember to print in double quotes)

Ans:



The screenshot shows a C++ IDE with a project named 'Assignment-01.cpp'. The code in the editor is as follows:

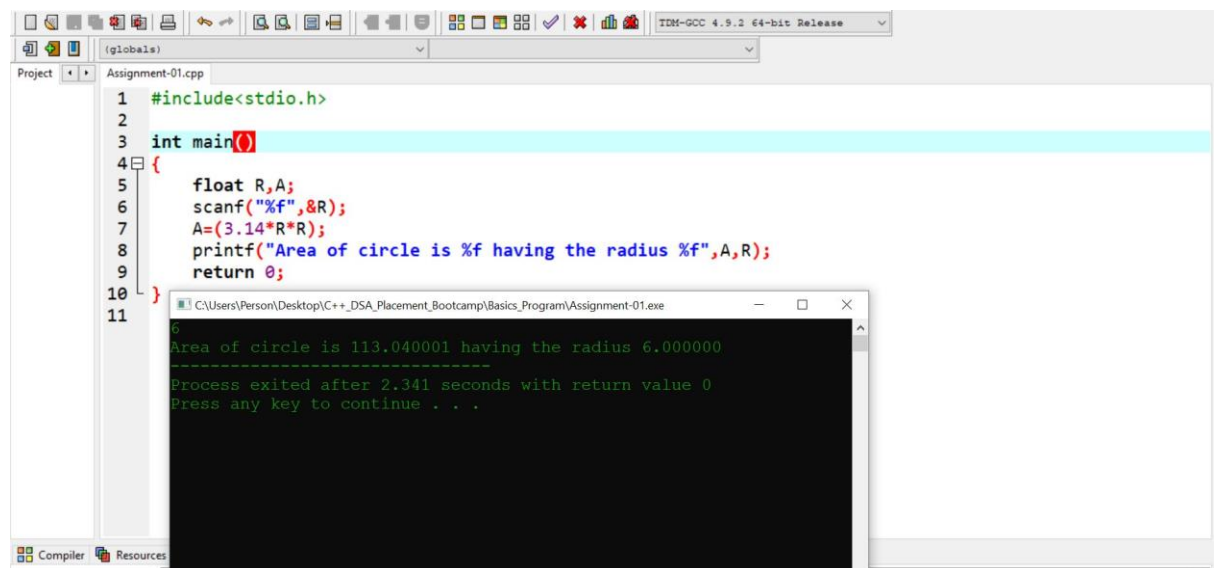
```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("\nMySirG\n");
6     return 0;
7 }
8
```

The output window on the right shows the execution results:

```
"MySirG"
-----
Process exited after 0.06975 seconds with return value 0
Press any key to continue . . .
```

4. WAP to find the area of the circle. Take radius of circle from user as input and print the result in below given format. Expected output format – "Area of circle is A having the radius R". Replace A with area & R with radius.

Ans:



The screenshot shows a C++ IDE with a project named 'Assignment-01.cpp'. The code in the editor is as follows:

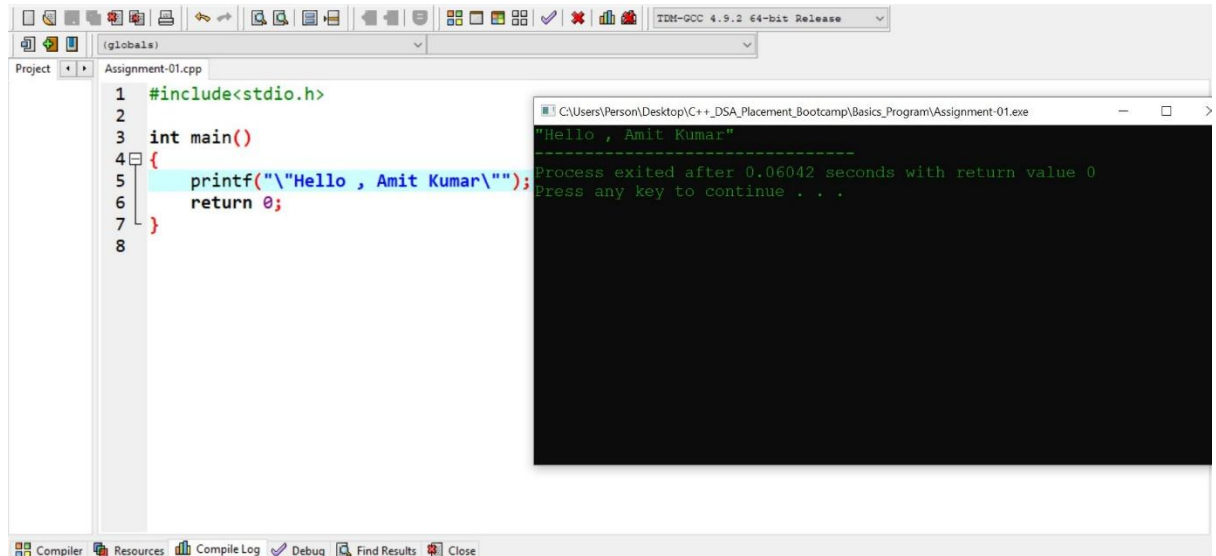
```
1 #include<stdio.h>
2
3 int main()
4 {
5     float R,A;
6     scanf("%f",&R);
7     A=(3.14*R*R);
8     printf("Area of circle is %f having the radius %f",A,R);
9     return 0;
10 }
11
```

The output window on the right shows the execution results:

```
6
Area of circle is 113.040001 having the radius 6.000000
-----
Process exited after 2.341 seconds with return value 0
Press any key to continue . . .
```

5. **WAP to calculate the length of String using printf function.**
6. **WAP to print the name of the user in double quotes. Expected output format –**
"Hello , Amit Kumar"

Ans:



The screenshot shows a C++ IDE with a project named 'Assignment-01.cpp'. The code is as follows:

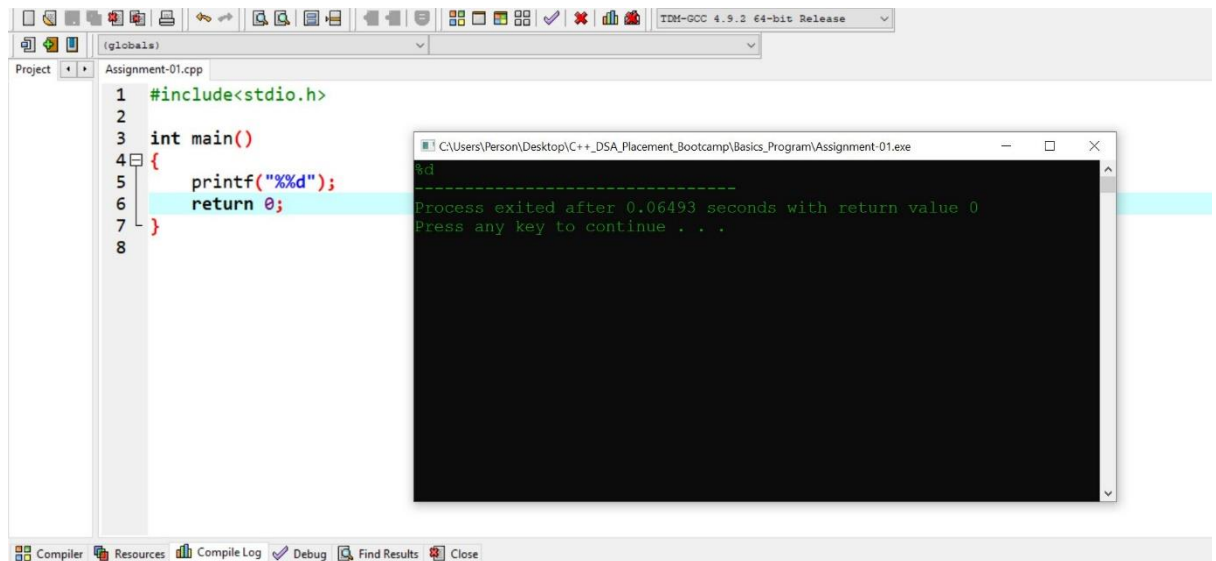
```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("\\"Hello , Amit Kumar\\"");
6     return 0;
7 }
8
```

The output window shows the following text:

```
C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\Assignment-01.exe
"Hello , Amit Kumar"
-----
Process exited after 0.06042 seconds with return value 0
Press any key to continue . . .
```

7. **WAP to print "%d" on the screen.**

Ans:



The screenshot shows a C++ IDE with a project named 'Assignment-01.cpp'. The code is as follows:

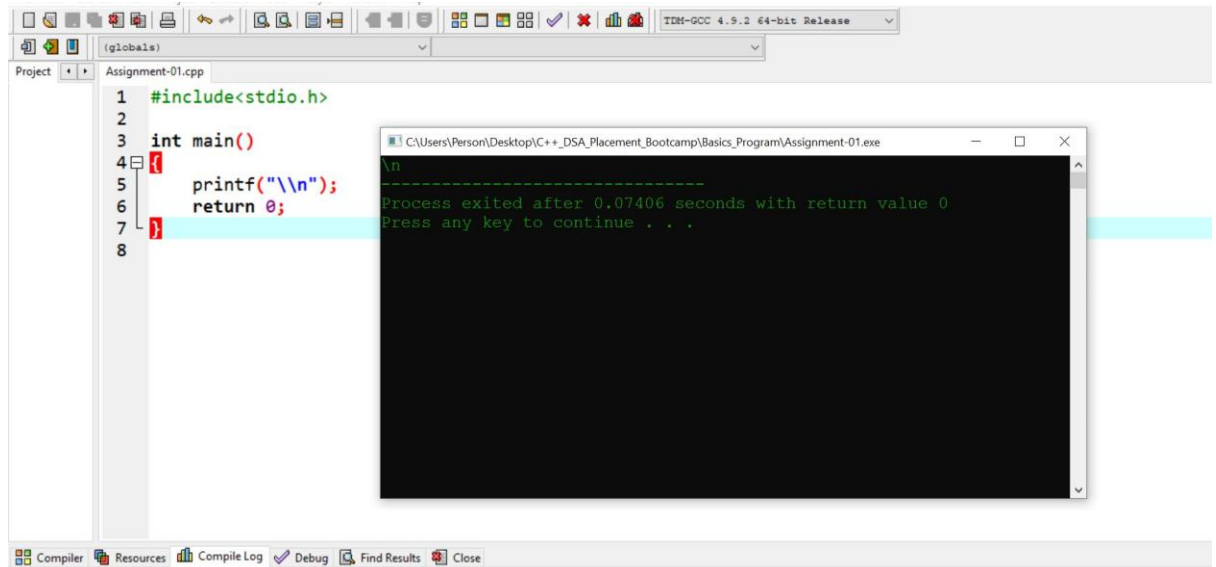
```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("%d");
6     return 0;
7 }
8
```

The output window shows the following text:

```
C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\Assignment-01.exe
%d
-----
Process exited after 0.06493 seconds with return value 0
Press any key to continue . . .
```

8. WAP to print “\n” on the screen.

Ans:



The screenshot shows a C++ IDE with a project named "Assignment-01.cpp". The code in the editor is as follows:

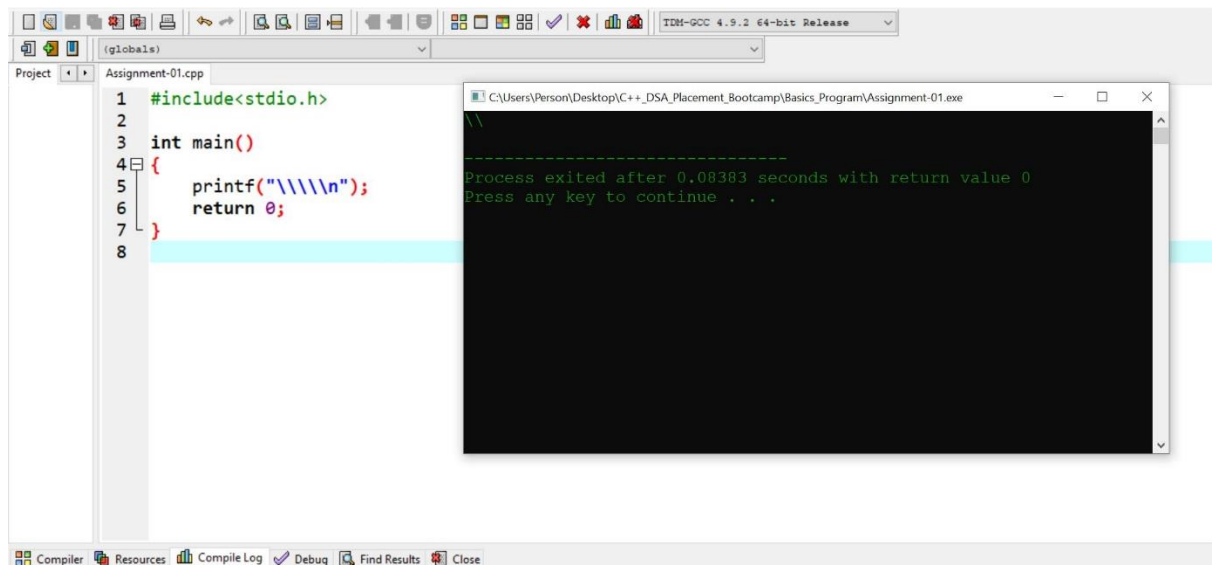
```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("\n");
6     return 0;
7 }
8
```

The output window shows the execution result:

```
C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\Assignment-01.exe
\n
-----
Process exited after 0.07406 seconds with return value 0
Press any key to continue . . .
```

9. WAP to print “\\” on the screen.

Ans:



The screenshot shows a C++ IDE with a project named "Assignment-01.cpp". The code in the editor is as follows:

```
1 #include<stdio.h>
2
3 int main()
4 {
5     printf("\\\\n");
6     return 0;
7 }
8
```

The output window shows the execution result:

```
C:\Users\Person\Desktop\C++_DSA_Placement_Bootcamp\Basics_Program\Assignment-01.exe
\\
-----
Process exited after 0.08383 seconds with return value 0
Press any key to continue . . .
```

10. WAP to take date as an input in below given format and convert the date format and display the result as given below. User Input date format – “DD/MM/YYYY” (27/11/2022) Output format – “Day – DD , Month – MM , Year – YYYY” (Day – 27 ,Month – 07 , Year – 2022)

Ans:

```
1 #include<stdio.h>
2
3 int main()
4 {
5     int Date,Month,Year;
6     printf("Enter a DD: \n");
7     scanf("%d",&Date);
8     printf("Enter a MM: \n");
9     scanf("%d",&Month);
10    printf("Enter a YYYY: \n");
11    scanf("%d",&Year);
12    printf("Day- %d, Month- %d, Year- %d",Date,Month,Year);
13    return 0;
14 }
15
```

Output window shows: Enter a DD: 10, Enter a MM: 07, Enter a YYYY: 2022, Day- 10, Month- 7, Year- 2022. Process exited after 12.24 seconds with return value 0.

11. WAP to take time as an input in below given format and convert the time format and display the result as given below. User Input date format – “HH:MM” Output format – “HH hour and MM Minute” Example – “11:25” converted to “11 Hour and 25 Minute”

Ans:

```
1 #include<stdio.h>
2
3 int main()
4 {
5     int Hour,Minutes;
6     printf("Enter a HH: \n");
7     scanf("%d",&Hour);
8     printf("Enter a MM: \n");
9     scanf("%d",&Minutes);
10    printf("%d Hour and %d Minute",Hour,Minutes);
11    return 0;
12 }
13
```

Output window shows: Enter a HH: 15, Enter a MM: 32, 15 Hour and 32 Minute. Process exited after 3.084 seconds with return value 0.

12. Find output of below code:

```
int main()
{
    int x = printf("ineuron");
    printf("%d",x);
    return 0;
}
```

Ans:

