

## Assignment-1

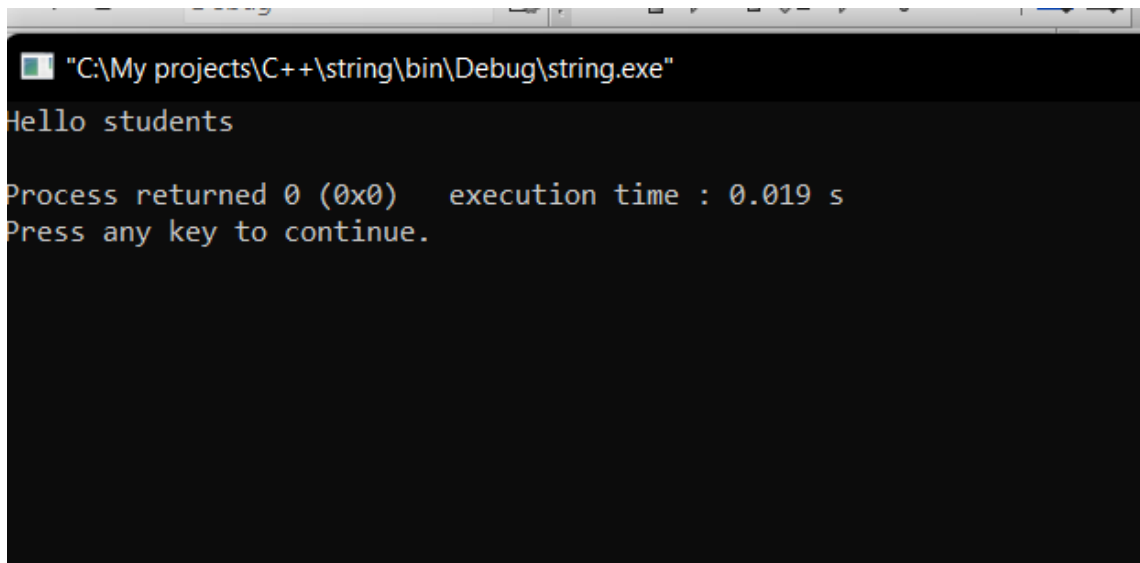
### Input and output in C Language

1. A program to print **Hello Students** on the screen :

```
#include <stdio.h>

int main()
{
    printf(" Hello students \n ");
    return 0;
}
```

OUTPUT :

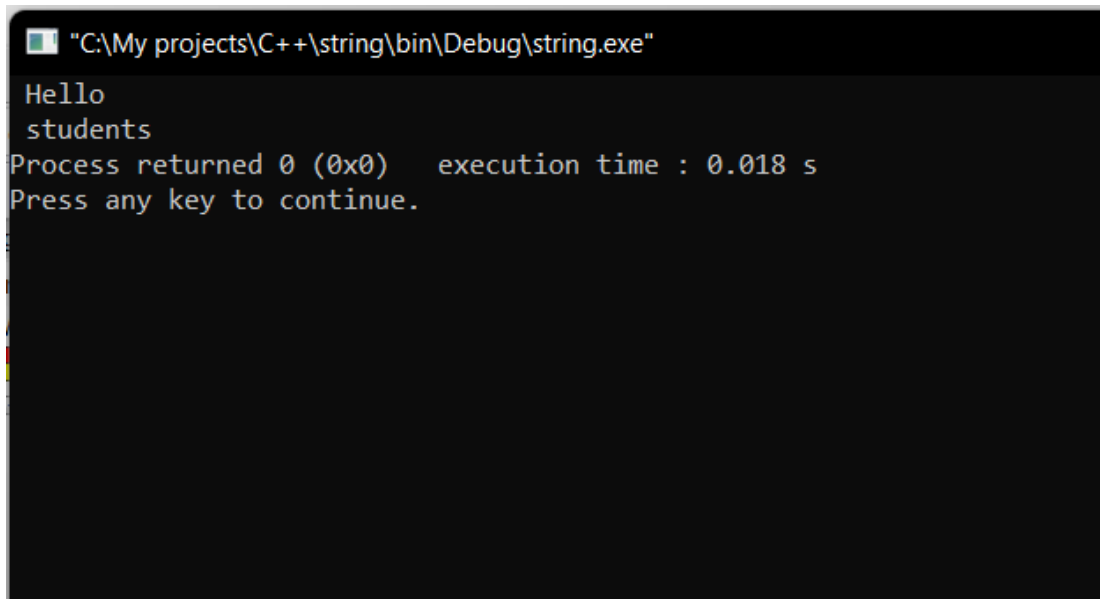


```
"C:\My projects\C++\string\bin\Debug\string.exe"
Hello students
Process returned 0 (0x0)   execution time : 0.019 s
Press any key to continue.
```

2. Program to print **Hello** in the first line and **Students** in the second line.

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

OUTPUT:

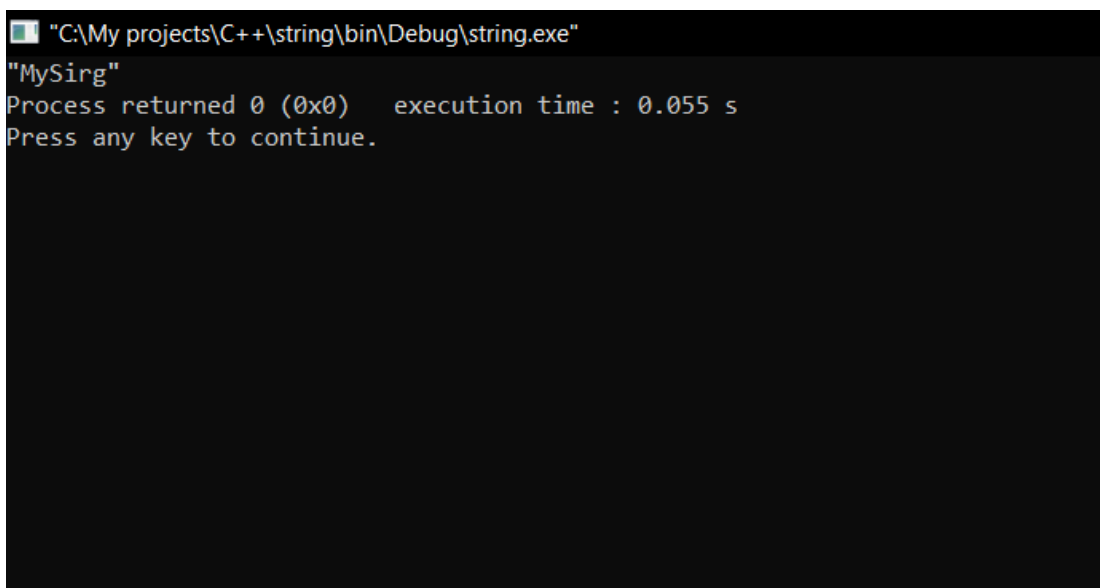


```
"C:\My projects\C++\string\bin\Debug\string.exe"
Hello
students
Process returned 0 (0x0) execution time : 0.018 s
Press any key to continue.
```

3. A program to print “**MySirG**” on the screen.

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

OUTPUT:



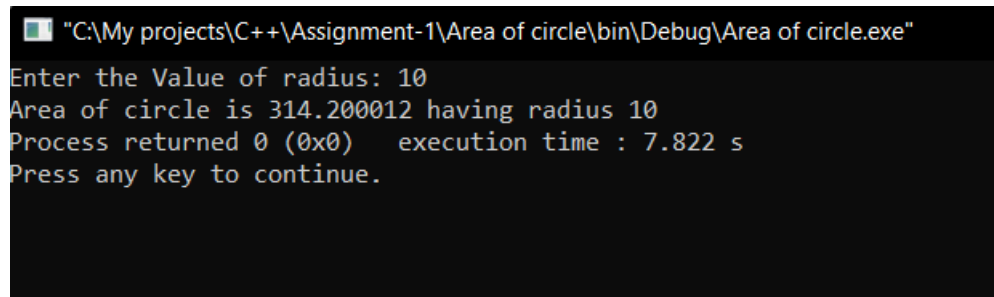
```
"C:\My projects\C++\string\bin\Debug\string.exe"
MySirG
Process returned 0 (0x0) execution time : 0.055 s
Press any key to continue.
```

4. Program to find the area of the circle. Take radius of circle from user as input and print the result format – “Area of circle is **A** having the radius **R**”. Replace A with area & R with radius.

```
#include<stdio.h>
```

```
int main()
{
    int r; float A;
    printf("Enter the Value of radius\n");
    scanf(" %d",&r);
    A=3.142*r*r;
    printf("Area of circle is %f having radius %d ",A,r);
    return 0;
}
```

OUTPUT :



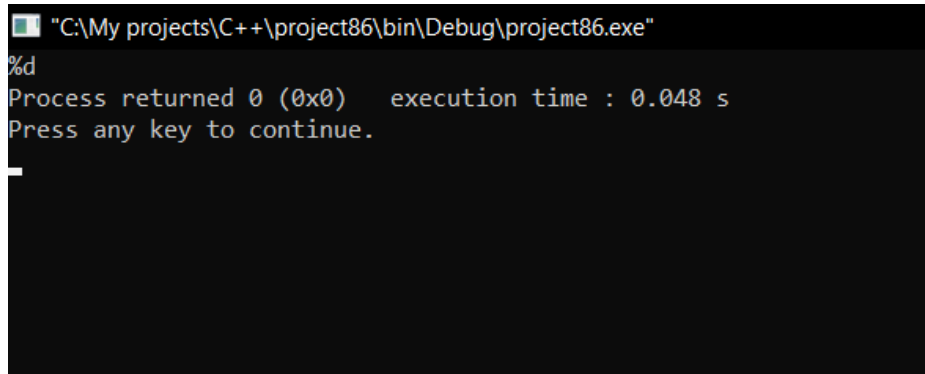
The screenshot shows a Windows command prompt window with the title bar "C:\My projects\C++\Assignment-1\Area of circle\bin\Debug\Area of circle.exe". The prompt displays the following text: "Enter the Value of radius: 10", "Area of circle is 314.200012 having radius 10", "Process returned 0 (0x0) execution time : 7.822 s", and "Press any key to continue.".

5. WAP to print “%d” on the screen.

```
#include <stdio.h>
int main()
{
    printf("%d");

    return 0;
}
```

OUTPUT:



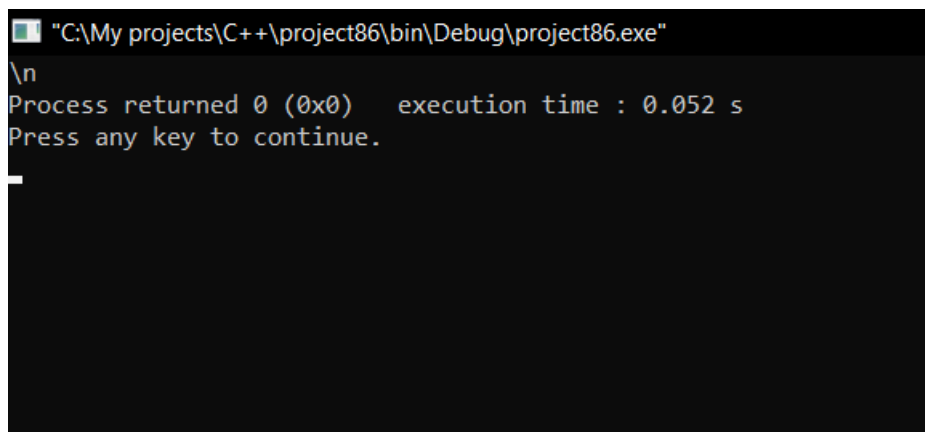
```
"C:\My projects\C++\project86\bin\Debug\project86.exe"
%d
Process returned 0 (0x0)  execution time : 0.048 s
Press any key to continue.
_
```

6. WAP to print “\n” on the screen.

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

    return 0;
}
```

OUTPUT:



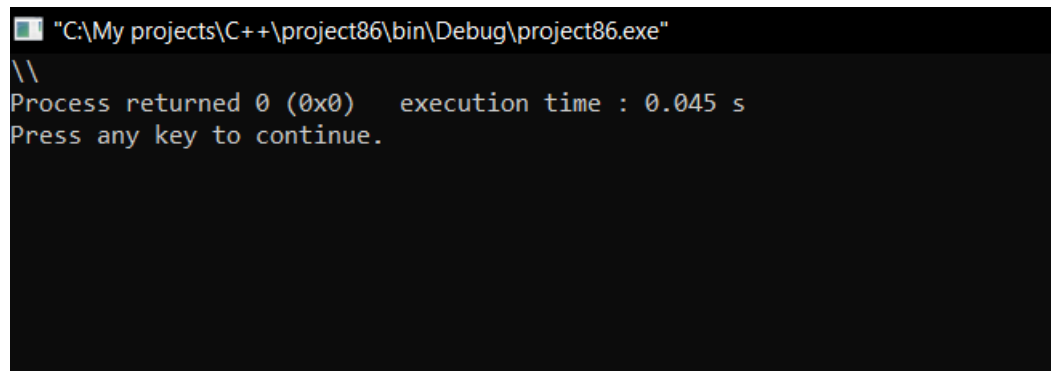
```
"C:\My projects\C++\project86\bin\Debug\project86.exe"
\n
Process returned 0 (0x0)  execution time : 0.052 s
Press any key to continue.
_
```

7. WAP to print “\\” on the screen.

```
#include <stdio.h>
int main()
{
    printf("\\\\");

    return 0;
}
```

OUTPUT:



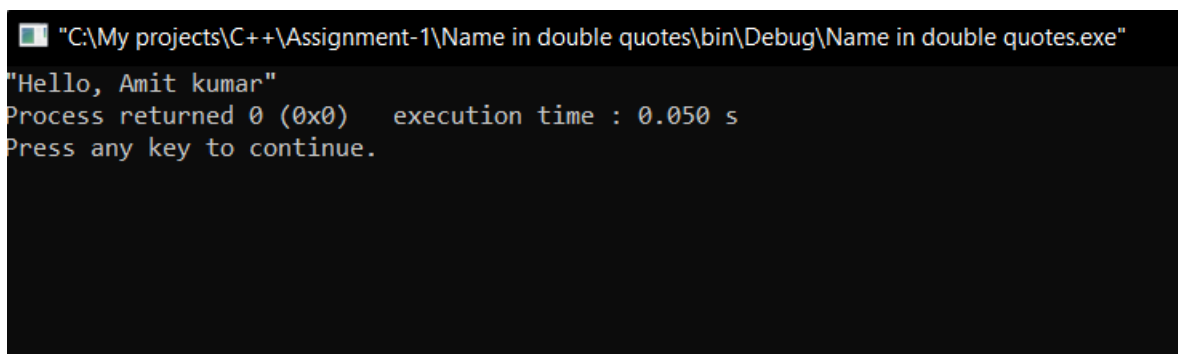
```
"C:\My projects\C++\project86\bin\Debug\project86.exe"
\\
Process returned 0 (0x0)   execution time : 0.045 s
Press any key to continue.
```

8. WAP to print the name of the user in double quotes.

```
#include<stdio.h>

int main()
{
    printf("\"Hello, Amit kumar\"");
    return 0;
}
```

OUTPUT:



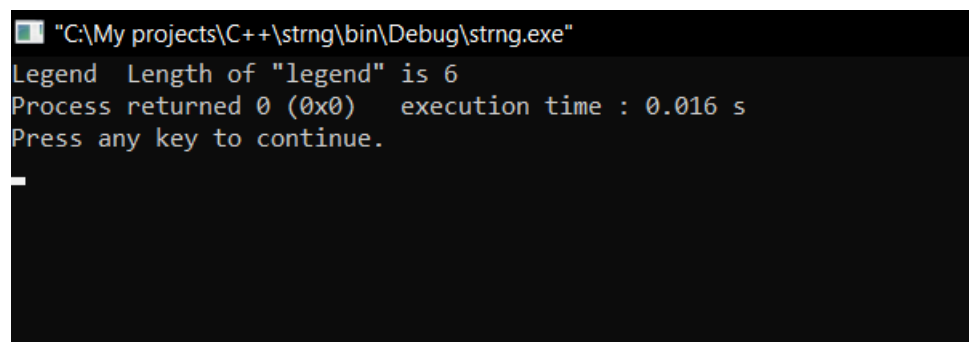
```
"C:\My projects\C++\Assignment-1\Name in double quotes\bin\Debug\Name in double quotes.exe"
"Hello, Amit kumar"
Process returned 0 (0x0)   execution time : 0.050 s
Press any key to continue.
```

9. WAP to calculate the length of String using printf function.

```
#include <stdio.h>

int main()
{
    int x=printf("Legend");
    printf("\tLength of \"legend\" is %d",x);
    return 0;
}
```

OUTPUT:



```
"C:\My projects\C++\strng\bin\Debug\strng.exe"
Legend Length of "legend" is 6
Process returned 0 (0x0) execution time : 0.016 s
Press any key to continue.
```

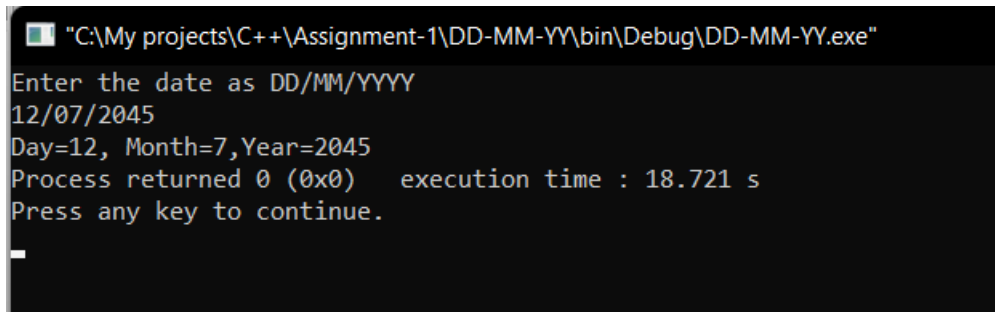
10. WAP to take date as an input in below given format and convert the date format and display the result Input date format – “DD/MM/YYYY” (27/11/2022) and Output format – “Day – DD , Month – MM , Year – YYYY” (Day – 27 ,Month – 07 , Year – 2022).

```
#include <stdio.h>

int main()
{
    int d,m,y;
    printf("Enter the date as DD/MM/YYYY \n");
    scanf("%d/%d/%d",&d,&m,&y);
    printf("Day=%d,Month=%d,Year=%d",d,m,y);
}
```

```
    return 0;
}
```

OUTPUT:

A screenshot of a Windows command prompt window. The title bar shows the file path: "C:\My projects\C++\Assignment-1\DD-MM-YY\bin\Debug\DD-MM-YY.exe". The prompt shows the program asking for a date in DD/MM/YYYY format. The user has entered "12/07/2045". The program outputs "Day=12, Month=7, Year=2045", "Process returned 0 (0x0)", "execution time : 18.721 s", and "Press any key to continue.". A cursor is visible on the line following the prompt.

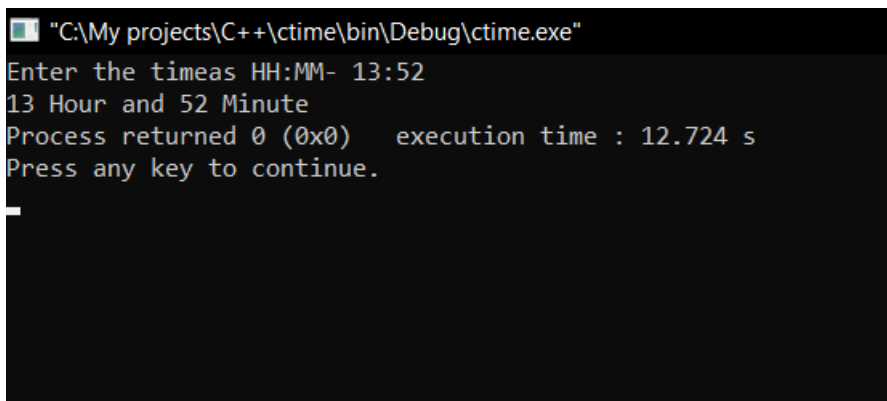
```
"C:\My projects\C++\Assignment-1\DD-MM-YY\bin\Debug\DD-MM-YY.exe"
Enter the date as DD/MM/YYYY
12/07/2045
Day=12, Month=7, Year=2045
Process returned 0 (0x0)   execution time : 18.721 s
Press any key to continue.
_
```

11. Program to take time as an input in below given format and convert the time format and display the result.

```
#include <stdio.h>
```

```
int main()
{
    int h,m;
    printf("Enter the Time as HH:MM: ");
    scanf("%d:%d",&h,&m);
    printf("%d Hour and %d minute",h,m);
    return 0;
}
```

OUTPUT:

A screenshot of a Windows command prompt window. The title bar shows the file path: "C:\My projects\C++\ctime\bin\Debug\ctime.exe". The prompt shows the program asking for time in HH:MM format. The user has entered "13:52". The program outputs "13 Hour and 52 Minute", "Process returned 0 (0x0)", "execution time : 12.724 s", and "Press any key to continue.". A cursor is visible on the line following the prompt.

```
"C:\My projects\C++\ctime\bin\Debug\ctime.exe"
Enter the timeas HH:MM- 13:52
13 Hour and 52 Minute
Process returned 0 (0x0)   execution time : 12.724 s
Press any key to continue.
_
```

**12.** Find output of below code:

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

OUTPUT:

**ineuron7**