

## Assignment - 1

### Input and output in C Language

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

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

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

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

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

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

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.

```
#include<stdio.h>
int main
{
    int rad;
    float area;
    printf("Enter radius of a circle");
    scanf("%d",&rad);
    area =3.14*rad*rad;
    printf("Area of a circle is %f having radius %d",area,rad);
    return 0;
}
```

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

Expected output format – “Hello , Amit Kumar”

```
#include<stdio.h>
int main()
{
```

```
printf("\nHello,Amit Kumar\n");
return 0;
}
```

7. WAP to print “%d” on the screen.

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

8.WAP to print “\n” on the screen.

```
#include<stdio.h>
int main(int argc, char const *argv[])
{
    printf("\n\n\n");
    return 0;
}
```

9.WAP to print “\\” on the screen.

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

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)

```
#include <stdio.h>
int main(int argc, char const *argv[])
{
    int day, month, year;
    printf("Enter date (DD/MM/YYYY) :");
    scanf("%d %d %d", &day, &month, &year);
    printf("Day-%d,Month-%d,Year-%d", day, month, year);

    return 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”

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

```
int main(int argc, char const *argv[])
```

```
{
```

```
    int hr, min;
```

```
    printf("Enter time (HH:MM) :");
```

```
    scanf("%d %d ", &hr, &min);
```

```
    printf("Hour-%d,Minute-%d", hr, min);
```

```
    return 0;
```

```
}
```