Assignment - 1

(1) Write a program to print Hello Students on the scree.

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

output:- Hello Students

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

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

output:- Hello
Students

(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;
}
```

output:- "MysirG"

(4) WAP to find area of the circle. Take radius of circle from user as input and print the result

```
#include<stdio.h>
int main()
{
    float R,A,pi=3.14;
    printf("Enter the radius of circle ");
    scanf("%f",&R);
    A = pi*R*R;
    printf("\n Area of circle is %f having the radius %f", A,R);
    return 0;
}
```

Input: Enter the radius of circle 2

Output: Area of circle is 12.560000 having the radius 2.000000

(5) WAP to calculate the length of string using printf func.

```
#include<stdio.h>
int main()
{
  int x=printf("String");
  printf("%d", x);
  printf("%length
  printf("\n length of String is %d", x);
  return 0;
}
```

Output: String
Length of String is 6.

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

```
#include<stdio.h>
int main()
{
  char name[50];
  printf("Enter your name : ");
  gets(name);
  printf("\"Hello, %s\"", name);
  return 0;
}
```

Input: Enter your name Rahul Singh.
Output: "Hello, Rahul Singh"

(7) WAP to print "%d" on the screen.

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

Output: %d

(8) WAP to print "\n" on the screen

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

Output: \n

⑨ WAP to print "11" on the screen.

```
#include<stdio.h>
int main()
{
printf("1111");
return 0;
}
```

Output: 11

⑩ WAP to take date as an input in below format and convert the date format and display the result.
User Input date format - "DD/MM/YYYY"
Output format - "Day-DD, Month-MM, Year-YYYY"

```
#include<stdio.h>
int main()
{
int dd, mm, yyyy;
printf("Enter date in this format \n dd/mm/yyyy: ");
scanf("%d/%d/%d", &dd, &mm, &yyyy);
return 0;
}
```

Input: Enter date in this format
dd/mm/yyyy : 01/01/2022
Output: 01/01/2022

⑪ WAP to take time as an input in below given format and convert the time format and display the result
User Input date format - "HH:MM"
Output format - "HH hour and MM minute"

```
#include<stdio.h>
int main()
{
int hh, mm;
printf("Enter time in given format \n HH:MM =");
scanf("%d:%d", &hh, &mm);
printf("%d hour and %d minute", hh, mm);
return 0;
}
```

Input: Enter time in given format
HH:MM = 12:12
Output: 12 hour and 12 minute.

(12) Find Output

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

Output: ineuron7