ASSIGNMENT 4

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

Ans:-

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

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

Ans:-

```c
          #include<stdio.h>

int main()
{
    printf("Hello\nStudents");
}
```

3. Write a C program to print “MySirG” on the screen.

Ans:-

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

4. Write a C program to print “Teacher’s Day” on the screen.

Ans:-

```c
#include<stdio.h>
int main()
{
    printf("Teacher's Day");
}
```

5. Write a C program to print \n on the screen.

Ans:-

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

```
}
```

6. Write a C program to print %d on the screen.

Ans:-

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

7. Write a C program containing declaration of three variables (of type int, char and float), also assign some values to them and print values of all three variables using single printf().

Ans:-

```
#include<stdio.h>
int main()
{
    int a=5;
    char b='p';
    float c=7.5;
    printf("a=%d\nb=%c\nc=%f",a,b,c);
}
```

8. Explore following format specifiers on internet- %i, %g, %lf.

Ans:-

Format Specifier	Used For
• %i	• A decimal integer (detects the base automatically
• %g	• Scientific notation of floats
• %lf	• Long double

9. Write a C program to print character stored in a char variable, also print its ASCII code.

Ans:-

```
#include<stdio.h>
int main()
{
    char letter = 'a';
    printf("=> Character stored in letter is %c\n=> The ASCII code of %c is
%d",letter,letter,letter);
}
```

ASSIGNMENT 4

10. How to convert a Decimal number into a Binary number and vice versa.

Ans:-

ANS:- Following are the steps to convert decimal to binary:

a. Write down the number.

b. Divide it by 2 and note the reminder.

c. Repeat the same process till we get 0 as the quotient.

d. Write the values of all the remainders starting from the bottom to the top.

e. Example – dividend reminder

5/2 1

2/2 0

1/2 1