

C Language Live Community Classes

Assignment 4

1. Write a C program to print *Hello Students* on the screen.
2. Write a C Program to print *Hello* on the first line and *Students* in the second line.
3. Write a C program to print “*MySirG*” on the screen
4. Write a C program to print “*Teacher’s Day*” on the screen
5. Write a C program to print *\n* on the screen
6. Write a C program to print *%d* on the screen
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().
8. Explore following format specifiers on internet - *%i, %g, %lf*
9. Write a C program to print character stored in a char variable, also print its ASCII code.
10. How to convert a Decimal number into a Binary number and vice versa.

***** *Note:- Please provide the GitHub Links* *****

ANSWER

1. `#include<stdio.h>`

```
int main()
{
    printf("Hello Students");
}
```

Output

Hello Students

2. `#include<stdio.h>`

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

Output

Hello

Students

3. `#include<stdio.h>`

```
int main()
{
    printf("\"MySirG\"");
}
```

Output

“MySirG”

4. `#include<stdio.h>`

```
int main()
```

```
{
    printf("\nTeacher's Day\n");
}
```

Output

"Teacher's Day"

5. #include<stdio.h>

```
int main()
{
    printf("\n");
}
```

Output

\n

6. #include<stdio.h>

```
int main()
{
    printf("%d");
}
```

Output

%d

7. #include<stdio.h>

```
int main()
{
    int x =10;
    char ch='a';
    float fl=3.14;
    printf("int x=%d\nchar ch = %c\nfloat fl =%f",x,ch,fl);
}
```

Output

int x=10

char ch = a

float fl =3.140000

8. %i is a decimal integer

%g it is used to print the decimal floating-point values and it uses to

The fixed precision

%lf is a long double

9. #include<stdio.h>

```
int main()
{
    char ch='a';
    printf("char =%c and ASCII =%d",ch,ch);
}
```

Output

char =a and ASCII =97

10. Decimal to Binary form

Example

My decimal number is 12

64 32 16 8 4 2 1

0 0 0 1 1 0 0

Or divided by 2 quotient 0,1

Binary to decimal

Example

Binary no is 1001

$2^n \times$ binary no