

Assignment - 1 A Job Ready Bootcamp in C++, DSA and IOT MySirG

Input and output in C Language

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

Code:- `#include<stdio.h>`

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

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

Code:- `#include<stdio.h>`

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

3. Write a program to print "**MySirG**" on the screen.

Code:- `#include<stdio.h>`

```
int main()
{
    printf("\nMySirG\n");
    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.

Expected output format – "Area of circle is **A** having the radius **R**". Replace A with area & R with radius.

Code:- `#include<stdio.h>`

```
int main()
{
    float R,A;
    printf("Enter radius of a circle");
    scanf("%f",&R);

    A=3.14*R*R;
    printf("Area of circle is %f having the radius %f", A,R);
    return 0;
}
```

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

Code:- #include<stdio.h>

```
int main()
{
    int a= printf("String\n");

    printf("%d",a);

    return 0;
}
```

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

Expected output format – “Hello , Amit Kumar”

Code:- #include<stdio.h>

```
int main()
{
    printf("\"Hello, Amit Kumar\"");
}
```

7. WAP to print “%d” on the screen.

Code:- #include<stdio.h>

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

8. WAP to print “\n” on the screen.

Code:- #include<stdio.h>

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

9. WAP to print “\\” on the screen.

Code:- #include<stdio.h>

```
int main()

{

printf("\\\\\\\\");

}
```

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)

Code:- #include<stdio.h>

```
int main()

{

int DD,MM,YYYY;

printf("Enter date in DD/MM/YYYY format\n");

scanf("%d/%d/%d",&DD,&MM,&YYYY);

printf("Day-%d, Month-%d,Year-%d",DD,MM,YYYY);

}
```

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”

Code:- #include<stdio.h>

```
int main()
{
    int HH,MM;

    printf("Enter date in HH:MM format\n");

    scanf("%d:%d",&HH,&MM);

    printf("%d Hour,%d Minute",HH,MM);

}
```

12. Find output of below code:

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

Output:- ineuron7