Topic: - Input and output in C Language

Q1. Write a program to print **Hello Students** on the screen

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

Q2. Write a program to print **Hello** in the first line and **Students** in the second line

```c
#include<stdio.h>
int main() {
    char my_char=10;
    printf("Hello%cStudents",my_char);
    return 0;
}
```

Q3. Write a program to print **"MySirG"** on the screen. (Remember to print in double quotes)

```c
#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.

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

```c
#include<stdio.h>
int main() {
    printf("Enter the radius of a circle: - ");
    int radius;
    scanf("%d",&radius);
    double area;
    area=3.14285714*radius*radius; //Value of PI is 3.14285714
area=PI*radius^2
    printf("Area of circle is %lf having the radius %d",area,radius);
    return 0;
}
```

Q5. WAP to calculate the length of String using printf function.

```c
#include<stdio.h>
int main() {
    int len;
    printf("iNeuron%n",&len);
    printf("\nLength of iNeurron is = %d",len);
    return 0;
}
```

Q6. WAP to print the name of the user in double quotes.

Expected output format – "Hello, Amit Kumar"

```c
#include<stdio.h>
int main() {
    printf("\"Hello, Mohsin Bashir Najar\"");
    return 0;
}
```

Q7. WAP to print "%d" on the screen

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

Q8. WAP to print "\n" on the screen.

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

Q9. WAP to print "\\" on the screen.

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

Q10. 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)

```c
#include<stdio.h>
int main() {
    int day,month,year;
    printf("Enter the today\'S date in DD/MM/YYYY format: - ");
    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"

```c
#include<stdio.h>
int main() {
    int hour, minute;
    printf("Enter the time in HH:MM format: - ");
    scanf("%d:%d",&hour,&minute);
    printf("%d Hours and %d Minutes",hour,minute);
    return 0;
}
```

12. Find output of below code:

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

Output: ineuron7

Submitted by: - Mohsin Bashir Najar