Input and output in C Language

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

   #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.**

   #include<stdio.h>

   int main()

   {

     printf("Hello\nStudent");

     return 0;

   }

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;
   }

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()
{
    int R;
    printf("enter the radius of circle: ");
    scanf("%d",&R);
    printf("Area of circle is %f having the radius %d",22.0/7*R*R,R);
    return 0;
}
```

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

```c
#include<stdio.h>
int main()
{
    char a[]="Apple ipone";
    printf("size of given string is %d",sizeof(a)-1);
    return 0;
}
```

6. 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 , Amit Kumar\"");
    return 0;
}
```

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

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

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

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

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

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

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)

```c
#include<stdio.h>
int main()
{
    int d,m,y;
    scanf("%d/%d/%d",&d,&m,&y);
    printf("Day-%d , Month-%d , Year-%d",d,m,y);
    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"

```
#include<stdio.h>

int main()

{

    int h,m;

    printf("enter time formate HH:MM");

    scanf("%d:%d",&h,&m);

    printf("\"%d:%d\" converted to \"%d Hour and %d Minute\"",h,m,h,m);

    return 0;

}
```

12. Find output of below code:

```
int main()

{

int x = printf("ineuron");

printf("%d",x);

return 0;

}
```

Answer: this will return error.