Input and output in C Language

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

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

```
Output:
Hello Students
```

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

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

```
Output :
Hello
Students
```

3. 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;
}
```

```
Output:
"MySirG"
```

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()
{
    float r, a, pi = 3.14159;
    printf("Enter radius of a circle : ");
    scanf("%f", &r);
    a = pi * r * r;
    printf("Area of circle is %f having the radius %f", a, r);
    return 0;
}
```

```
Output:
Enter radius of a circle : 4
Area of circle is 50.265442 having the radius 4.000000
```

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

```c
#include <stdio.h>
```

```c
int main()
{
    int n;
    n=printf("MySirG\n");
    printf("The length of String is %d",n);
    return 0;
}
```

```
Output:
MySirG
The length of String is 7
```

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 , Shekh Akhtar\"");
    return 0;
}
```

```
Output:
"Hello , Shekh Akhtar"
```

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

```c
#include <stdio.h>
int main()
{
    printf("%cd", 37);
    // printf("\n%c%c", 37, 100);
    return 0;
}
```

```
Output:
%d
```

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

```c
#include <stdio.h>
int main()
{
    printf("\\n");
    //printf("\n%cn", 92);
    //printf("\n%c%c", 92, 110);
    return 0;
}
```

```
Output:
\n
```

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

```c
#include <stdio.h>
int main()
{
    printf("\\\\");
    // printf("\n%c%c", 92, 92);
    return 0;
}
```

```
Output:
\\
```

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)

```
#include <stdio.h>
int main()
{
    int d, m, y;
    printf("Enter date (DD/MM/YYYY) : ");
    scanf("%d/%d/%d", &d, &m, &y);
    printf("Day - %d , Month - %d , Year - %d", d, m, y);
    return 0;
}
================================================================================
Output:
Enter date (DD/MM/YYYY) : 22/12/1995
Day - 22 , Month - 12 , Year - 1995
```

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 (HH:MM) : ");
    scanf("%d:%d", &h, &m);
    printf("%d Hour and %d Minute", h, m);
    return 0;
}
================================================================================
Output:
Enter time (HH:MM) : 12:45
12 Hour and 45 Minute
```

12. Find output of below code:

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

Output: *ineuron7*