

Assignment - 1

Input and output in C language

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

or `#include <stdio.h>`

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

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

or `#include <stdio.h>`

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

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

(Remember to print in double quotes)

or `#include <stdio.h>`

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

4. WAP to find the area of 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

```

~ #include <stdio.h>
int main() {
float radius, aoc;
printf (" Enter the value of radius to find area of circle\n");
scanf ("%f", &radius);
aoc = 3.14 * radius * radius;
printf ("Area of circle is %f having the radius %f", aoc, radius);
return 0;
}

```

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

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

```
# include <conio.h>
```

```
# include <string.h>
```

```
int main () {
```

```
char s[20];
```

```
int length;
```

```
printf ("Enter your name");
```

```
gets (s);
```

```
length = strlen (s);
```

```
printf ("Length of %s is %d", s, length);
```

```
return 0;
```

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

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

```
int main () {
```

```
printf (" char name[30];
```

```
scanf ("%s", &name);
```

```
printf (" \" %s \" ", name);
```

```
return 0;
```

```
}
```

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

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

8 WAP to print "\n" on the screen

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

9 WAP to print "11" on the screen

include <stdio.h>
int main () {
printf ("11");
printf ("11");
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 - 11, Year - 2022)

```
#include <stdio.h>
int main () {
    int DD, MM, YYYY;
    printf ("Enter Date, Month, Year");
    scanf ("%d%d%d", &DD, &MM, &YYYY);
    printf ("(Day-%d, Month-%d, Year-%d)", DD, MM, YYYY);
    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 HH, MM;
    printf ("Enter hour and Minute");
    scanf ("%d %d", &HH, &MM);
    printf ("%d:%d converted to %d hour and %d minute",
           HH, MM, HH, MM);
    return 0;
}
```

12 find output of below code ;

```
int main()
```

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

Ans

Error in VS code.

X

X

X