

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.

```
#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.

```
#include<stdio.h>
int main()
{
    printf("Hello\nstudents");
    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.

```
#include<stdio.h>
int main()
{
    float r;
    printf("Enter Radius: ");
    scanf("%f",&r);
    printf("Area of circle is %f having the radius
%f",3.14*r*r,r);
    return 0;
}
```

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

```
#include<stdio.h>
int main()
{
    int l;
    l = printf("ABC");
    printf("\nLength of \"ABC\" is : %d",l);
    return 0;
}
```

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

Expected output format - "Hello , Amit Kumar"

```
#include<stdio.h>
int main()
{
    printf("\"Hello , Amit Kumar\"");
}
```

```
        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 "\\\" on the screen.

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

```
#include<stdio.h>
int main()
{
    int a, b, c;
    printf("Enter Date: ");
    scanf("%d/%d/%d", &a, &b, &c);
    printf("Day - %d , Month - %d, Year - %d", a, b, c);
    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 a, b;
    printf("Enter Date: ");
    scanf("%d:%d", &a, &b);
    printf("%d Hour and %d Minute", a, b);
    return 0;
}
```

12. Find output of below code:

```
int main()
{
```

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

Error:

main.c: In function 'main':
main.c:4:9: warning: implicit declaration of function 'printf'
[-Wimplicit-function-declaration]
4 | int x = printf("ineuron");
|           ^~~~~~
main.c:4:9: warning: incompatible implicit declaration of built-in
function 'printf'
main.c:1:1: note: include '<stdio.h>' or provide a declaration of
'printf'
+++ | +#include <stdio.h>
1 |
main.c:4:16: error: stray '\342' in program
4 | int x = printf("ineuron");
|           ^
main.c:4:17: error: stray '\200' in program
4 | int x = printf("ineuron");
|           ^
main.c:4:18: error: stray '\234' in program
4 | int x = printf("ineuron");
|           ^
main.c:4:26: error: stray '\342' in program
4 | int x = printf("ineuron");
|           ^
main.c:4:27: error: stray '\200' in program
4 | int x = printf("ineuron");
|           ^
main.c:4:28: error: stray '\235' in program
4 | int x = printf("ineuron");
|           ^
```

```
main.c:4:19: error: 'ineuron' undeclared (first use in this
function)
    4 | int x = printf("ineuron");
      |
      ^~~~~~
main.c:4:19: note: each undeclared identifier is reported only
once for each function it appears in
main.c:5:8: error: stray '\342' in program
    5 | printf("%d",x);
      |
      ^
main.c:5:9: error: stray '\200' in program
    5 | printf("%d",x);
      |
      ^
main.c:5:10: error: stray '\234' in program
    5 | printf("%d",x);
      |
      ^
main.c:5:11: error: expected expression before '%' token
    5 | printf("%d",x);
      |
      ^
main.c:5:13: error: stray '\342' in program
    5 | printf("%d",x);
      |
      ^
main.c:5:14: error: stray '\200' in program
    5 | printf("%d",x);
      |
      ^
main.c:5:15: error: stray '\235' in program
    5 | printf("%d",x);
      |
      ^
```