**Assignment - 1 A Job Ready Bootcamp in C++, DSA and IOT**

Input and output in C Language

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

Ans:

**code**

#include<stdio.h>

int main() {

printf("Hello Students");

return 0;

}

**output**

Hello Students

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

Ans:

**code**

#include<stdio.h>

int main() {

printf("Hello\nStudents");

return 0;

}

**output**

Hello

Students

**3.Write a program to print “MySirG” on the screen. (Remember to print in double quotes)**

Ans:

**code**

#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.**

Ans:

**Code**

#include<stdio.h>

#include <math.h>

int main() {

    float r=0;

    printf("Enter radius of circle:");

    scanf("%f",&r);

    printf("Area of circle is %.2f having the radius %.2f", 3.14\*r\*r,r);

 return 0;

}

**Output**

Enter radius of circle:10

Area of circle is 314.00 having the radius 10.00

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

Ans:

**Code**

#include<stdio.h>

int main() {

    printf("%d", printf("Dhruv"));

    return 0;

}

**Output**

Dhruv5

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

Expected output format – “Hello , Amit Kumar”

Ans:

**Code**

#include<stdio.h>

int main() {

    printf("\"Hello ,Amit Kumar\"");

    return 0;

}

**Output**

"Hello ,Amit Kumar"

**7. WAP to print “%d” on the screen**

Ans:

**code**

#include<stdio.h>

int main() {

    printf("%%d");

    return 0;

}

**Output**

%d

**8. WAP to print “\n” on the screen**.

Ans

**Code**

#include<stdio.h>

int main() {

    printf("\\n");

    return 0;

}

**Output**

\n

**9. WAP to print “\\” on the screen**

**Code**

#include<stdio.h>

int main() {

    printf("\\\\");

    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)**

**Code**

#include<stdio.h>

int main() {

    int d,m,y;

    printf("Enter a Date in \"DD/MM/YYYY\" ");

    scanf("%d/%d/%d",&d,&m,&y);

    printf("Day-%d,Month-%d,Year-%d",d,m,y);

    return 0;

}

**Output**

Enter a Date in "DD/MM/YYYY" 22/33/5353

Day-22,Month-33,Year-5353

**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”**

**Code**

#include<stdio.h>

int main() {

    int h,m;

    printf("Enter a Time in \"HH:MM\" ");

    scanf("%d:%d",&h,&m);

    printf("\"%d hour and %d Minute\"",h,m);

    return 0;

}

**Output**

Enter a Time in "HH:MM" 11:25

"11 hour and 25 Minute"

**12. Find output of below code:**

int main()

{

int x = printf(“ineuron”);

printf(“%d”,x); return 0;

}

Ans.

**Output**

ineuron7