**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");

return 0;

}

1. 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;

}

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

int main()

{

printf("\"MySirG\"");

return 0;

}

1. 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()

{

int radius;

float area;

printf("Enter the radius of a circle : ");

scanf("%d",&radius);

area = 3.14 \* radius \* radius;

printf("Area of circle is %f having the radius %d",area,radius);

return 0;

}

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

#include<stdio.h>

int main()

{

int x = printf("ineuron");

printf("%d",x);

return 0;

}

1. 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;

}

1. WAP to print “%d” on the screen.

#include<stdio.h>

int main()

{

printf("%%d");

return 0;

}

1. WAP to print “\n” on the screen.

#include<stdio.h>

int main()

{

printf("\\n");

return 0;

}

1. WAP to print “\\” on the screen.

#include<stdio.h>

int main()

{

printf("\\\\");

return 0;

}

1. 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 dd,mm,yyyy;

printf("Enter Date in DD/MM/YYYY Format : ");

scanf("%d/%d/%d",&dd,&mm,&yyyy);

printf("(Day - %d ,Month - %d , Year - %d)",dd,mm,yyyy);

return 0;

}

1. 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 Time in HH:MM Format : ");

scanf("%d:%d",&hh,&mm);

printf("%d Hour and %d Minute",hh,mm);

return 0;

}

1. Find output of below code:

*int main()*

*{*

*int x = printf(“ineuron”);*  *printf(“%d”,x);*  *return 0;*

*}*

Output – ineuron7