**Assignment - 1**

**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;

}

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 **“iNeuron”** on the screen. (Remember to print in double quotes)

#include<stdio.h>

int main()

{

printf("\"iNeuron\" ");

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 r;

float a;

printf("Enter radius of circle");

scanf("%d",&r);

a = 3.14\*r\*r;

printf("Area of circle is %f having radius %d",a,r);

return 0;

}

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

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

Expected output format – “Hello , Amit Kumar”

#include<stdio.h>

int main()

{

char fn[20],ln[20];

printf("Enter First Name and Last Name");

scanf("%s%s",&fn,&ln);

printf("\"Hello\,%s %s\"",fn,ln);

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;

}

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 day,month,year;

printf("Enter Date");

scanf("%d/%d/%d",&day,&month,&year);

printf("Day -%d, Month -%d, Year -%d",day,month,year);

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 hours,minutes;

printf("Enter Time");

scanf("%d:%d",&hours,&minutes);

printf("%d:%d converted to %d hours %d minutes",hours,minutes,hours,minutes);

return 0;

}

12. Find output of below code:

*int main()*

*{*

*int x = printf(“ineuron”);*

*printf(“%d”,x);*

*return 0;*

*}*

Output - Ineuron7