**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 Student");

printf("\n");

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\nStudent\n");

printf("Hello\n");

printf("Student");

printf("\n");

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\"");

getch();

}

**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()

{

int r;

float area;

printf("Enter radius of circle: ");

scanf("%d",&r);

area=3.14\*r\*r;

printf("Area of a circle is %f",area);

getch();

}

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

#include<stdio.h>

int main()

{

int x;

x=printf("Language");

printf("Length of \"Language\" is %d",x);

getch();

}

**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");

printf("\n");

return 0;

}

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

#include<stdio.h>

int main()

{

printf("%%d");

printf("\n");

return 0;

}

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

#include<stdio.h>

int main()

{

printf("\\n");

printf("\n");

return 0;

}

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

#include<stdio.h>

int main()

{

printf("\\\\");

printf("\n");

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 in DD/MM/YYYY format: ");

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

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

printf("\n");

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 hour,minut;

printf("Enter date in HH:MM format: ");

scanf("%d:%d",&hour,&minut);

printf("%d Hour, %d Minut",hour,minut);

printf("\n");

return 0;

}

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

**int main()**

**{**

**int x = printf(“ineuron”);**

**printf(“%d”,x);**

**return 0;**

**}**

Output:- ineuron7