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.

#include<stdio.h>

int main()

{

    printf("Welcome");

    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("\"SirG\"");

    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.

#include<stdio.h>

#include<math.h>

int main()

{

    float a;

    printf("Enter a Number");

    scanf("%f",&a);

    printf("Area of circle is %f having radious %f",M\_PI \* pow(a,2),a);

    return 0;

}

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

#include<stdio.h>

int main()

{

    char str[100] = "Geeks for Geeks";

    int len = 0;

    scanf("%c",&)

    printf("%s%n", str, &len);

    printf(" = %d", len);

    return 0;

}

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

#include<stdio.h>

int main()

{

    printf("\"Hello , Rajesh Barai\"");

    return 0;

}

7.. WAP to print “%d” on the screen

#include<stdio.h>

int main()

{

    printf("%%d");

}

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("\\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)

#include<stdio.h>

int main()

{

    int a,b,c;

    printf("Enter a 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”

 #include<stdio.h>

    int main()

    {

        int a,b;

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

        scanf("%d:%d",&a,&b);

        printf("%d Hour and %d Minutes",a,b);

        return 0;

    }

12.