**Assignment – 5**

**A Job Ready Bootcamp in C++, DSA and IOT MySirG More on Iterative Control Statements**

1. Write a program to print MySirG N times on the screen

#include<stdio.h>

int main()

{

    int n;

    printf("Enter the number");

    scanf("%d",&n);

    for(int i=0; i<=n; i++)

    {

        printf("MysirG");

    }

}

1. Write a program to print the first N natural numbers.

#include<stdio.h>

int main(){

    int i,n;

    printf("Enter the value of n: ");

    scanf("%d",&n);

    for(i=1;i<=n;i++)

    {

        printf("%d\n",i);

    }

    return 0;

}

1. Write a program to print the first N natural numbers in reverse order

#include<stdio.h>

int main(){

    int i,n;

     printf("Enter the value of n: ");

    scanf("%d",&n);

    for(i=n;i>=1;i--)

    {

        printf("%d\n",i);

    }

    return 0;

}

1. Write a program to print the first N odd natural numbers

#include <stdio.h>

int main()

{

    int i, n;

    printf("Enter the value of n: ");

    scanf("%d", &n);

    for (i = 1; i <= 2\*n; i = i + 2)

    {

        printf("%d\n", i);

    }

    return 0;

}

1. Write a program to print the first N odd natural numbers in reverse order.

#include<stdio.h>

int main(){

    int gen,inp,i;

    printf("Enter the value: ");

    scanf("%d",&inp);

    gen = 1 + (inp-1)\*2;

    for(i=gen;i>=1;i=i-2)

    {

        printf("%d\n",i);

    }

    return 0;

}

1. Write a program to print the first N even natural numbers

#include<stdio.h>

int main(){

    int i,n,gen;

    printf("Enter the value of n: ");

    scanf("%d",&n);

    gen=2+(n-1)\*2;

    for(i=2;i<=gen;i=i+2)

    {

        printf("%d\n",i);

    }

    return 0;

}

1. Write a program to print the first N even natural numbers in reverse order

#include<stdio.h>

int main(){

    int i,n,gen;

    printf("Enter the value of n: ");

    scanf("%d",&n);

    gen=2+(n-1)\*2;

    for(i=gen;i>=2;i=i-2)

    {

        printf("%d\n",i);

    }

    return 0;

}

1. Write a program to print squares of the first N natural numbers

#include<stdio.h>

int main(){

    int i,n,s;

    printf("Enter n: ");

    scanf("%d",&n);

    for(i=1;i<=n;i++)

    {

        s=i\*i;

        printf("Square of %d is %d\n",i,s);

    }

    return 0;

}

1. Write a program to print cubes of the first N natural numbers

#include<stdio.h>

int main(){

    int i,n,c;

    printf("Enter n: ");

    scanf("%d",&n);

    for(i=1;i<=n;i++)

    {

        c=i\*i\*i;

        printf("Cube of %d is %d\n",i,c);

    }

    return 0;

}

1. Write a program to print a table of N

#include<stdio.h>

int main(){

    int i,t,n;

    printf("Enter the value of n: ");

    scanf("%d",&n);

    for(i=1;i<=10;i++)

    {

        t=n\*i;

        printf("%d\*%d=%d\n",n,i,t);

    }

    return 0;

}