**Assignment - 4 A Job Ready Bootcamp in C++, DSA and IOT MySirG**

**Iterative Control Statements**

1. Write a program to print MySirG 5 times on the screen

#include<stdio.h>

int main()

{

 int i=1;

 for(i=1; i<=5; i++){

  printf(" MySirG \n");

 }

   return 0;

}

1. Write a program to print the first 10 natural numbers.

#include<stdio.h>

int main()

{

 int i=1;

 for(i=1; i<=10; i++){

  printf(" %d\n",i);

 }

   return 0;

}

1. Write a program to print the first 10 natural numbers in reverse order

#include<stdio.h>

int main()

{

   int i;

   printf("The First 10 natural numbers in reverse order \n");

   for(i = 10; i>=1; i--){

      printf("%d \n",i\*2-1);

   }

   return 0;

}

1. Write a program to print the first 10 odd natural numbers

#include<stdio.h>

int main()

{

   int i;

   printf("The First 10 odd number \n");

   for(i = 1; i<=10; i++){

      printf("%d \n",i);

   }

   return 0;

}

1. Write a program to print the first 10 odd natural numbers in reverse order.

#include<stdio.h>

int main()

{

   int i;

   printf("The First 10 odd number \n");

   for(i =10; i>=1; i--){

      printf("%d \n",i);

   }

   return 0;

}

1. Write a program to print the first 10 even natural numbers

#include<stdio.h>

int main()

{

   int i;

   printf("The First 10 even number \n");

   for(i =1; i<=10; i++){

      printf("%d \n",i\*2-1);

   }

   return 0;

}

1. Write a program to print the first 10 even natural numbers in reverse order

#include<stdio.h>

int main()

{

   int i;

   printf("The First 10 even number \n");

   for(i =10; i>=1; i--){

      printf("%d \n",i\*2-1);

   }

   return 0;

}

1. Write a program to print squares of the first 10 natural numbers

#include <stdio.h>

#include<math.h>

float main() {

  float i = 1;

  for(i=1; i<=10; i++){

   printf("%f \n ",pow(i,2));

  }

  return 0;

}

1. Write a program to print cubes of the first 10 natural numbers

#include <stdio.h>

int main()

{

int i=1 ,cube;

do

{

cube=i\*i\*i;

i=i+1;

printf("%d\n",cube) ;

}while(i<=10) ;

}

1. write a program to print a table of 5

#include <stdio.h>

int main() {

  int n, i;

  printf("Enter a table: ");

  scanf("%d", &n);

  for (i = 1; i <= 10; ++i) {

    printf("%d \* %d = %d \n", n, i, n \* i);

  }

  return 0;

}