**Assignment – 5**

**More on Iterative Control Statements**

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

**Code**

#include<stdio.h>

int main() {

    int i,n;

    printf("Enter number of times had to print MySirG :\n");

    scanf("%d",&n);

   for ( i = 1; i <=n; i++)

   {

    printf("MySirG\n");

   }

   return 0;

}

**Output**

**Enter number of times had to print MySirG :**

**4**

**MySirG**

**MySirG**

**MySirG**

**MySirG**

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

**Code**

**\** #include<stdio.h>

int main() {

    int i,n;

    printf("Enter last number had to print Natural number :");

    scanf("%d",&n);

   for ( i = 1; i <=n; i++)

   {

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**Enter last number had to print Natural number :5**

**1**

**2**

**3**

**4**

**5**

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

**Code**

#include<stdio.h>

int main() {

    int i,n;

    printf("Enter a number had to print Natural number in reverse order :");

    scanf("%d",&n);

   for ( i = n; i >=1; i--)

   {

    printf("%d\n",i);

   }

   return 0;

}

**Output**

**Enter a number had to print Natural number in reverse order :5**

**5**

**4**

**3**

**2**

**1**

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

**Code**

#include <stdio.h>

int main()

{

   int i,n;

   printf("Enter number of terms : ");

   scanf("%d",&n);

   printf("The Odd numbers are :\n");

   for(i=1;i<=n;i++)

   {

     printf("%d\n ",2\*i - 1);

   }

}

**Output**

**Enter number of terms : 7**

**The Odd numbers are :**

**1**

**3**

**5**

**7**

**9**

**11**

**13**

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

**Code**

#include <stdio.h>

int main()

{

   int i,n;

   printf("Enter number of terms : ");

   scanf("%d",&n);

   printf("The Odd numbers are :\n");

   for(i=n;i>=1;i--)

   {

     printf("%d\n ",2\*i - 1);

   }

}

**Output**

**Enter number of terms : 6**

**The Odd numbers are :**

**11**

**9**

**7**

**5**

**3**

**1**

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

**Code**

#include <stdio.h>

int main()

{

   int i,n;

   printf("Enter number of terms : ");

   scanf("%d",&n);

   printf("The Even numbers are :\n");

   for(i=1;i<=n;i++)

   {

     printf("%d\n",2\*i);

   }

  return 0;

}

**Output**

**Enter number of terms : 6**

**The Even numbers are :**

**2**

**4**

**6**

**8**

**10**

**12**

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

**Code**

#include <stdio.h>

int main()

{

   int i,n;

   printf("Enter number of terms : ");

   scanf("%d",&n);

   printf("The Even numbers in reverse order are : \n");

   for(i=n;i>=1;i--)

   {

     printf("%d\n ",2\*i);

   }

  return 0;

}

**Output**

**Enter number of terms : 5**

**The Even numbers in reverse order are :**

**10**

**8**

**6**

**4**

**2**

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

**Code**

#include <stdio.h>

int main()

{

   int i,n;

   printf("Enter number of terms : ");

   scanf("%d",&n);

   printf("The Square numbers are :\n");

   for(i=1;i<=n;i++)

   {

     printf("%d\n",i\*i);

   }

  return 0;

}

**Output**

**Enter number of terms : 5**

**The Square numbers are :**

**1**

**4**

**9**

**16**

**25**

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

**Code**

#include <stdio.h>

int main()

{

   int i,n;

   printf("Enter number of terms : ");

   scanf("%d",&n);

   printf("The Square numbers are :\n");

   for(i=1;i<=n;i++)

   {

     printf("%d\n",i\*i\*i);

   }

  return 0;

}

**Output**

**Enter number of terms : 5**

**The Square numbers are :**

**1**

**8**

**27**

**64**

**125**

1. **Write a program to print a table of N**

**Code**

#include <stdio.h>

int main()

{

   int i,n;

   printf("Enter number of Table : ");

   scanf("%d",&n);

   printf("The Square numbers are :\n");

   for(i=1;i<=10;i++)

   {

     printf("%d\*%d=%d\n",n,i,n\*i);

   }

  return 0;

}

**Output**

**Enter number of Table : 5**

**The Square numbers are :**

**5\*1=5**

**5\*2=10**

**5\*3=15**

**5\*4=20**

**5\*5=25**

**5\*6=30**

**5\*7=35**

**5\*8=40**

**5\*9=45**

**5\*10=50**