**ASSIGNMENT-5**

**More on Iterative Control Statements**

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

#include<stdio.h>

int main()

{

   int i,n;

   printf("Enter a no:");

   scanf("%d",&n);

   for(i=1;i<=n;i++)

   printf("MySirG ");

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i,n;

   printf("Enter a no:");

   scanf("%d",&n);

   for(i=1;i<=n;i++)

   printf("%d ",i);

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i,n;

   printf("Enter a no:");

   scanf("%d",&n);

   for(i=1;i<=n;i++)

   printf("%d ",n+1-i);

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i,n;

   printf("Enter a no:");

   scanf("%d",&n);

   for(i=1;i<=n;i++)

   printf("%d ",2\*i-1);

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i=1,n;

   printf("enter a no:");

   scanf("%d",&n);

   while(i<=n)

   {

   printf("%d ",2\*n+1-i\*2);

   i++;

   }

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i=1,n;

   printf("enter a no:");

   scanf("%d",&n);

   while(i<=n)

   {

   printf("%d ",2\*i);

   i++;

   }

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i=1,n;

   printf("enter a no:");

   scanf("%d",&n);

   while(i<=n)

   {

   printf("%d ",2\*n+2-i\*2);

   i++;

   }

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i,n;

   printf("Enter a no:");

   scanf("%d",&n);

   printf("Square of first %d natural nos",n);

   for(i=1;i<=n;i++)

   printf("%d ",i\*i);

    return 0;

}

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

#include<stdio.h>

int main()

{

   int i,n;

   printf("Enter a no:");

   scanf("%d",&n);

   printf("cubes of first 10 natural nos");

   for(i=1;i<=n;i++)

   printf("%d ",i\*i\*i);

    return 0;

}

10. Write a program to print a table of N.

#include<stdio.h>

int main()

{

   int i,n;

   printf("Enter a no:");

   scanf("%d",&n);

   printf("table of %d\n",n);

   for(i=1;i<=10;i++)

   printf("%d\*%d=%d\n",i,n,i\*n);

    return 0;

}