ASSIGNMENT- 5

More on Iterative Control Statements

1. Write a program to print MySirG N times on the screen
2. #include<stdio.h>
3. int main()
4. {
5. int n, i=1;
6. printf("Enter a NUmber\n");
7. scanf("%d", &n);
8. while (i<=n)
9. {
10. printf("MySirG\n");
11. i++;
12. }
14. }

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

#include<stdio.h>

int main()

{

    int n, i=1;

    printf("Enter a NUmber\n");

    scanf("%d", &n);

    while (i<=n)

    {

        printf("%d\n", i);

        i++;

    }

}

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

#include<stdio.h>

int main()

{

    int n, i=1;

    printf("Enter a NUmber\n");

    scanf("%d", &n);

    while (i<=n)

    {

        printf("%d\n", n+1-i);

        i++;

    }

}

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

#include<stdio.h>

int main()

{

    int n, i=1;

    printf("Enter a NUmber\n");

    scanf("%d", &n);

    while (i<=n\*2)

    {

        printf("%d\n", i);

        i=i+2;

    }

}

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

#include<stdio.h>

int main()

{

    int n, i=1;

    printf("Enter a NUmber\n");

    scanf("%d", &n);

    while (i<=n\*2)

    {

        printf("%d\n", 2\*n-i);

        i=i+2;

    }

}

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

#include<stdio.h>

int main()

{

    int n, i=2;

    printf("Enter a NUmber\n");

    scanf("%d", &n);

    while (i<=n\*2)

    {

        printf("%d\n", i);

        i=i+2;

    }

}

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

#include<stdio.h>

int main()

{

    int n, i=2;

    printf("Enter a NUmber\n");

    scanf("%d", &n);

    while (i<=n\*2)

    {

        printf("%d\n", n\*2+2-i);

        i=i+2;

    }

}

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

#include<stdio.h>

int main()

{

    int n, i=1;

    printf("Enter a Number\n");

    scanf("%d", &n);

    while (i<=n)

    {

        printf("%d\n", i\*i);

        i=i+1;

    }

}

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

#include<stdio.h>

int main()

{

    int n, i=1;

    printf("Enter a Number\n");

    scanf("%d", &n);

    while (i<=n)

    {

        printf("%d\n", i\*i\*i);

        i=i+1;

    }

}

10. Write a program to print a table of N

#include<stdio.h>

int main()

{

    int n, i=1;

    printf("Enter a Number\n");

    scanf("%d", &n);

    while (i<=10)

    {

        printf("%d\n", n\*i);

        i=i+1;

    }

}