Assignment - 5

Q.1 Print mysira N times on the screen.

```c
#include <stdlio.h>
int main()
{
    int x, i=1;
    printf("enter a number");
    scanf("%d", &x);
    while (i<=x)
    {
        Br
        printf("mysir\n");
        i++;
    }
    return 0;
}
```

Ans ~~my sira~~
~~A~~ enter a number 4

my sira
my sira
my sira
my sira

Q.2 Print the first N natural numbers.

```c
#include <stdio.h>
int main()
{   int n, i=1;
    printf("enter natural number");
    scanf("%d", &n);
    while (i<=n)
```

```c
    {
        printf("%d", i);
        i++;
    }
    return 0;
}
```

Ans enter natural number 7

1 2 3 4 5 6 7

Q.3 print first N natural numbers in reverse order

```c
#include<stdio.h>
int main()
{
    int i=1;
    int n;

    printf("enter natural number");
    scanf("%d", &n);
    do while (i<=n)
    {
        printf("%d", (i)&(n+1)-i);
        printf("%d", (n+1)-i);
        i++;
    }
    return 0;
}
```

Ans enter natural number 7

7 6 5 4 3 2 1

Q.4 Print the first N odd natural numbers

```c
#include<stdio.h>
int main()
{
    int x, i=1;
    printf("enter odd num number");
    scanf("%d", &x);
    while ( i<= x)
    {
        printf("%d", 2*i-1);
        i++;
    }
    return 0;
```

Ans

enter odd number 10

1 3 5 7 9 11 13 15 17 19

Q.5 Print the first N odd natural numbers in reverse order

```c
#include<stdio.h>
int main()
{
    int x, i=1;
    printf("enter odd number");
    scanf("%d", &x);
    for(i=1; i<=x; i++)
    {
        printf("%d", 2*x+1 - 2*i);
    }
    return 0;
}
```

enter odd number 16

31 29 27 25 23 21 19 17 15 13 11 9 75

3 1

Q.6 Print first N even natural numbers

```c
#include<stdio.h>
int main()
{
    int n, i=1;
    printf("enter even number");
    scanf("%d", &n);
    for(i=1; i<=n; i++)
    {
        printf("%d", 2*i);
    }
    return o;
}
```

enter even number 15

2 4 6 8 10 12 14 16 18 20 22 24 26 28 30

Q.7 Print first N even natural numbers in reverse order

```c
#include<stdio.h>
int main()
{
    int n, i=1;
    printf("enter even number");
    scanf("%d", &n);
    for(i=1; i<=n; i++)
    {
        printf("%d ", 2*n+2 - 2*i);
    }
}
```

return o;

}

<u>Ans</u> enber even number 15

30, 28 26 24 22 20 18 16 14 12 10 8. 6 4 2 1

<u>Q.8</u> Print Print square of the first N natural number.

```c
#include<stdio.h>
int main()
{
    int n, i=1;
    printf("enter the number");
    scanf("%d", &n);
    for(i=1; i<=n; i++)
    {
        printf("%d", i*i);
    }
    return o;
}
```

<u>Ans</u> enter the number 8

1 4 9 16 25 36 49 64

<u>Q.9</u> Print cubes of the first N natural number

```c
#include<stdio.h>
int main()
{
    int n, i=1;
    printf("enter the number");
    scanf("%d", &n);
```

```c
for ( i=1; i<=n; i++)
{
    printf ("%d", i*i*i);
}
return 0;
}
```

Ans enter the number 5

1 8 27 64 125

Q.10 print a table of N.

```c
# include < stdio.h>
int main()
{
    int n, i=1, a;
    printf (" enter the number");
    scanf ("%d", &n);
    for ( i=1; i<=10; i++)
    { a = n*i;
        printf ("%d * %d = %d\n", n, i, a);
    }
    return 0;
}
```

Ans enter the number 10

10 x 1 = 10   10 x 9 = 90

10 x 2 = 20   10 x 10 = 100

10 x 3 = 30

10 x 4 = 40

10 x 5 = 50

10 x 6 = 60

10 x 7 = 70

10 x 8 = 80