

Iterative Control Statements

Assignment:-5

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

Ans:-

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

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

Ans:-

```
#include<stdio.h>
int main()
{
    int i,n;
    printf("Enter a number ");
    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.

Ans:-

```
#include<stdio.h>
int main()
{
    int i,n;
    printf("Enter a number ");
    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.

Ans:-

```
#include<stdio.h>
int main()
{
    int i,n;
    printf("Enter a number ");
    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.

Ans:-

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

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

Ans:-

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

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

Ans:-

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

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

Ans:-

```
#include<stdio.h>
int main()
{
    int i,n;
    printf("Enter a number ");
    scanf("%d",&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.

Ans:-

```
#include<stdio.h>
```

```

int main()
{
    int i,n;
    printf("Enter a number ");
    scanf("%d",&n);
    for(i=1;i<=n;i++)
        printf("%d ",i*i*i);
    return 0;
}

```

10. Write a program to print a table of .

Ans:-

```

#include<stdio.h>
int main()
{
    int i,n;
    printf("Enter a number ");
    scanf("%d",&n);
    for(i=1;i<11;i++)
        printf("%d x %2d = %d\n",n,i,n*i);
    return 0;
}

```