

Assignment-5

- ① WAP to print MySing N times on the screen.

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

- ② WAP to print the first N natural numbers.

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

- ③ WAP to print the first N natural numbers in reverse order.

```
#include <stdio.h>
int main()
{
    int n;
    printf("Enter value of n: ");
    scanf("%d", &n);
    for(int i=n; i i>=1; i--)
        printf("%d ", i);
    return 0;
}
```

④ WAP to print the first N odd natural numbers

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

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter value of n:");
```

```
    scanf("%d", &n);
```

```
    for(int i=1; i<=n; i++)
```

```
        printf("%d ", 2*i-1);
```

```
    return 0;
```

```
}
```

⑤ WAP to print the first N odd natural numbers in reverse order.

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

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter value of n:");
```

```
    scanf("%d", &n);
```

```
    for(int i=n; i>=1; i++)
```

```
        printf("%d ", 2*i-1);
```

```
    return 0;
```

```
}
```

⑥ WAP to print the first N even natural numbers

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

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter value of n:");
```

```
    scanf("%d", &n);
```

```
    for(int i=1; i<=n; i++)
```

```
        printf("%d ", 2*i);
```

```
    return 0;
```

```
}
```

⑦ WAP to print the first N even natural numbers in reverse order

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

```
int main()
```

```
{
```

```
    int n;
```

```
    printf("Enter value of n:");
```

```
    scanf("%d", &n);
```

```
    for(int i=n; i>=1; i--)
```

```
        printf("%d ", 2*i);
```

```
    return 0;
```

```
}
```

⑧ WAP to print squares of the first N natural numbers

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

```
int main()
```

```
{  
    int n;  
    printf("Enter value of n:");  
    scanf("%d", &n);  
    for(int i=1; i<=n; i++)  
        printf("%d ", i*i);  
    return 0;  
}
```

⑨ WAP to print cubes of the first N natural numbers

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

```
int main()
```

```
{  
    int n;  
    printf("Enter value of n:");  
    scanf("%d", &n);  
    for(int i=1; i<=n; i++)  
        printf("%d ", i*i*i);  
    return 0;  
}
```

⑩ WAP to print a table of N.

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

```
int main()
```

```
{  
    int n;  
    printf("Enter value of n:");  
    scanf("%d", &n);  
    for(int i=1; i<=10; i++)  
        printf("%d x %d = %d\n", n, i, n*i);  
    return 0;  
}
```