

Assignment 3

- ① write a program to print mysin N times on the screen.
- ② write a program to print the first N natural numbers.
- ③ write a program to print the first N natural number in reverse order.
- ④ write a program to print the first N odd natural number,
- ⑤ write a program to print the first N odd natural number, in reverse order.
- ⑥ write a program to print the first N even natural number.
- ⑦ write a program to print the first N even natural number in reverse order.
- ⑧ write a program to print square of the first N natural number.
- ⑨ write a program to print cube of the first N natural number.
- ⑩ write a program to print a table of N .

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

```
② #include <stdio.h>
int main()
{
    int i, n;
    printf("Enter the value of n:");
    scanf("%d", &n);
    printf("The first N natural number to %d \n", n);
    for (i=1; i <= n; i++)
        printf("%d \n", i);

    printf("\n");
    return 0;
}
```

```

③ #include <stdio.h>
int main()
{
    int i, n;
    printf("Enter the value of n:");
    scanf("%d", &n);

    printf("The first N natural number reverse order to %d\n", n);
    for (i = n; i >= 1; i--)
        printf("%d\n", i);
    printf("\n");
    return 0;
}

```

```

④ #include <stdio.h>
int main()
{
    for int i = 1, n;

    printf("Enter the first N odd number n:");
    scanf("%d", &n);

    while (i <= n)
    {
        printf("%d\t", i * 2 - 1);
        i = i + 1;
    }
}

```

```
⑤ #include <stdio.h>
int main()
{
```

```
    int n;
```

```
    printf("Enter the first N odd natural number, n:");
```

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

```
    while(n >= 1)
```

```
    {
```

```
        printf("%d\t", n*2-1);
```

```
        n--;
```

```
    }
```

```
    printf("\n");
```

```
    return 0;
```

```
}
```

```
⑥ #include <stdio.h>
int main()
```

```
{
```

```
    int i = 1, n;
```

```
    printf("Enter the first N even number n:");
```

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

```
    while(i <= n)
```

```
    {
```

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

```
        i = i + 1;
```

```
    }
```

```
}
```

⑦ #include <stdio.h>

int main

{

int n;

printf("Enter the first N even number reverse order n:");

scanf("%d", &n);

while (n >= 1)

{

printf("%d\t", n*2);

n--;

}

return 0;

}

⑧ #include <stdio.h>

int main()

{

int n, i;

printf("Enter Square of the first N natural number n:");

scanf("%d", &n);

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

{

printf("%d\t", i*i);

}

return 0;

}

⑨ #include <stdio.h>

int main()

{

int n, i;

printf("Enter cube of the first N natural number n");

scanf("%d", &n);

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

{

printf("%d\t", i*i*i);

}

return 0;

}

⑩ #include <stdio.h>

int main()

{

int i, n;

do

{

printf("n * %d = %d\n", i, n*i);

i++

}

while (i<=n)

return 0;

}