

Assignment - 10

Q. Write a program to print My SirG N times on the screen.

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

```
int main()
```

```
{
```

```
    int a;
```

```
    printf printf("Enter a Number");
```

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

```
    for(i=1; i<=a; i++)
```

```
{
```

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

```
    printf(" My SirG");
```

```
    return 0;
```

```
}
```

Output:

Enter a Number

5

My SirG

My SirG

My SirG

My SirG

My SirG.

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(2) write a program to print the first N natural numbers

Ans #include <stdio.h>

int main()

{

int i, n;

printf("Enter a number\n");

scanf("%d", &n);

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

{
printf("%d", i);

}
return 0;

output:

Enter a number

7

1 2 3 4 5 6 7

(3) write a program to print the first N natural number in reverse.

Ans #include <stdio.h>

int main()

{

int i, n;

printf("Enter a number\n");

scanf("%d", &n);

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

{
printf("%d", ~~2~~ n+1-i);

}
return 0;

output:

Enter a number

5

5 4 3 2 1



4. write a program to print the first N even natural numbers.

```
#include <stdio.h>

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

output:
Enter a number 3
2 4 6

5. write a program to print the N even natural numbers in reverse order.

```
#include <stdio.h>

int main()
{
    int i, n;
    printf("Enter a number");
    scanf("%d", &n);
    while(n!=0)
    {
        printf("%d", n*2);
        n--;
    }
    return 0;
}
```

output:
Enter a number 5

Q6) write a program 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;

}

Output:

Enter a number 5

1 3 5 7 9

Q7) write a program to print the square of 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;

}

Output:

Enter a number 8

1 4 9 16 25 36 49 64



Q. write a program to print the cube of first N natural no.

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;

}

Output:

Enter a number 4

1 8 27 64

Q. write a program to print the squares of first N natural numbers in reverse order.

Ans #include <stdio.h>

int main()

{

int n;

printf("Enter a number");

scanf("%d", &n);

for(i=n; i>0; i--)

{

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

i--;

return 0;

}

Output:

Enter a number 4

16 9 4 1

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Q100) write a program to print the cubes of the first N natural numbers in reverse order.

Ans

```
#include <stdio.h>

int main()
{
    int i;
    printf("Enter a number");
    scanf("%d", &i);
    while(i != 0)
    {
        printf("%d", i*i*i);
        i--;
    }
    return 0;
}
```

Output:

Enter a number 4
64 27 8 1