

Ex.No: 3c	NUMBER PATTERN
Date:	

AIM:

To write a python program to display the number pattern.

ALGORITHM:

1. Start the program.
2. Give the number of terms as user input using `int(input())` and store it in a variable.
3. Set val as 1.
4. Loop the number of terms and get incremented as squares and cubes.
5. Print the squares and cubes of numbers in pattern.
6. Stop the program.

```
Num_of_terms = int(input("Enter number of terms :  
"))  
val = 1  
print ("Number Patterns...")  
print ("\nSquares of Numbers : ")  
for i in range(1,Num_of_terms+1,1):  
    print (i*i) :  
print "\nCubes of Numbers : ",  
for i in  
    range(1,Num_of_terms+1,1):  
        print (i*i*i)
```

OUTPUT:

```
Enter number of terms :5  
Number Patterns ...  
Squares of Numbers : 1 4 9 16 25  
Cubes of Numbers :1 8 27 64 125
```

RESULT:

Thus the python program to display the number pattern is executed.