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## **AIM:**

*A Python program to display powers of 2*

## **DESCRIPTION:**

- In this program, you'll learn to display powers of the integer 2 using lambda function
- In this program below, we have used a lambda function to find the powers of 2.

## **PROGRAM:**

```
# PYTHON PROGRAM TO DISPLAY POWERS OF 2
```

```
terms=10  
result=list(map(lambda x:2**x,range(terms)))  
print("the total terms are:",terms)  
for i in range(terms):  
    print("2^",i,"=",result[i])
```

## **OUTPUT:**

```
(base) student@jessy:~$ cd Desktop
(base) student@jessy:~/Desktop$ python power.py
the total terms are: 10
2^ 0 = 1
2^ 1 = 2
2^ 2 = 4
2^ 3 = 8
2^ 4 = 16
2^ 5 = 32
2^ 6 = 64
2^ 7 = 128
2^ 8 = 256
2^ 9 = 512
```

## **RESULT:**

The Python program to display powers of 2 using lambda function is executed.