

DAY-5

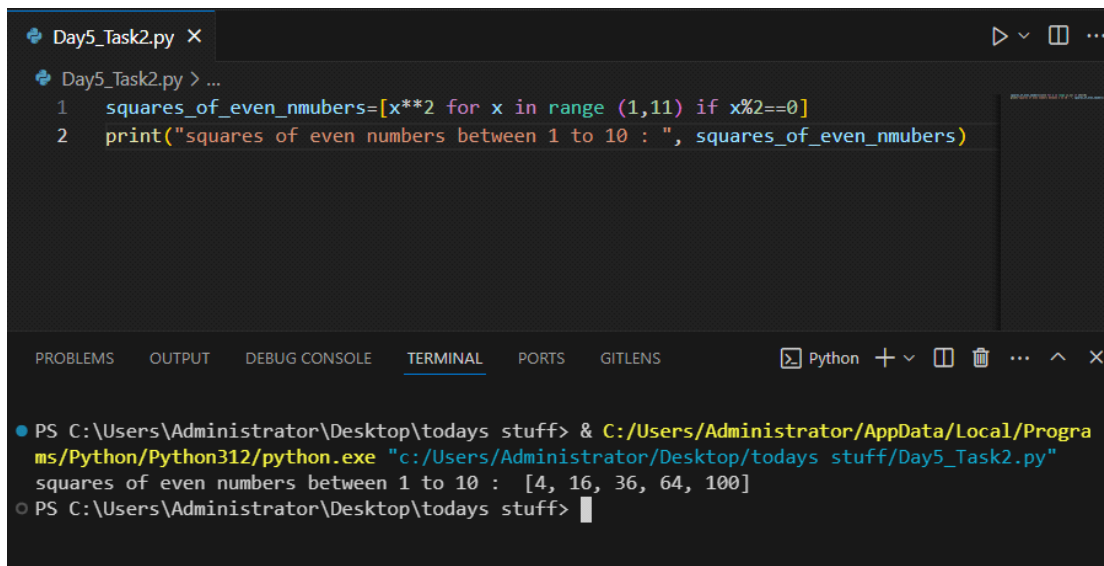
Task 2: Create a list comprehension in Python to generate squares of even numbers between 1 to 10.

SOLUTION:

```
squares_of_even_nmubers=[x**2 for x in range (1,11) if x%2==0]
```

```
print("squares of even numbers between 1 to 10 : ",  
squares_of_even_nmubers)
```

OUTPUT:

A screenshot of a Python IDE window titled 'Day5_Task2.py'. The editor shows two lines of Python code:

```
1 squares_of_even_nmubers=[x**2 for x in range (1,11) if x%2==0]
```

 and

```
2 print("squares of even numbers between 1 to 10 : ", squares_of_even_nmubers)
```

. The bottom panel shows the 'TERMINAL' output with the command `PS C:\Users\Administrator\Desktop\todays stuff> & C:/Users/Administrator/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/Administrator/Desktop/todays stuff/Day5_Task2.py"` and the output `squares of even numbers between 1 to 10 : [4, 16, 36, 64, 100]`.

```
PS C:\Users\Administrator\Desktop\todays stuff> & C:/Users/Administrator/AppData/Local/Programs/Python/Python312/python.exe "c:/Users/Administrator/Desktop/todays stuff/Day5_Task2.py"
```

```
squares of even numbers between 1 to 10 : [4, 16, 36, 64, 100]
```

```
PS C:\Users\Administrator\Desktop\todays stuff>
```