

PRACTICAL : 10

Program to check Armstrong numbers in specific range using map

```
lower = int(input("Enter lower range: "))
```

```
upper = int(input("Enter upper range: "))
```

```
for num in range(lower,upper + 1):
```

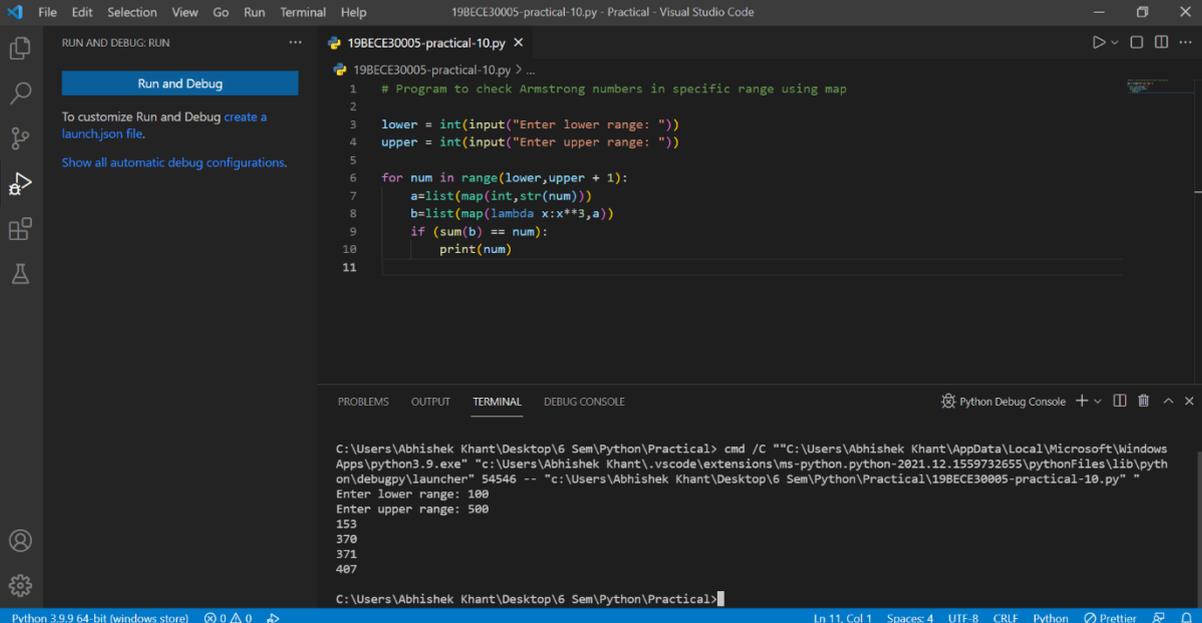
```
    a=list(map(int,str(num)))
```

```
    b=list(map(lambda x:x**3,a))
```

```
    if (sum(b) == num):
```

```
        print(num)
```

OUTPUT:



```
19BECE30005-practical-10.py - Practical - Visual Studio Code
19BECE30005-practical-10.py X
19BECE30005-practical-10.py > ...
1 # Program to check Armstrong numbers in specific range using map
2
3 lower = int(input("Enter lower range: "))
4 upper = int(input("Enter upper range: "))
5
6 for num in range(lower,upper + 1):
7     a=list(map(int,str(num)))
8     b=list(map(lambda x:x**3,a))
9     if (sum(b) == num):
10         print(num)
11
```

Python Debug Console

```
C:\Users\Abhishek Khant\Desktop\6 Sem\Python\Practical> cmd /C ""C:\Users\Abhishek Khant\AppData\Local\Microsoft\Windows Apps\python3.9.exe" "c:\Users\Abhishek Khant\.vscode\extensions\ms-python.python-2021.12.1559732655\pythonFiles\lib\python\debugpy\launcher" 54546 -- "c:\Users\Abhishek Khant\Desktop\6 Sem\Python\Practical\19BECE30005-practical-10.py"
Enter lower range: 100
Enter upper range: 500
153
370
371
407
C:\Users\Abhishek Khant\Desktop\6 Sem\Python\Practical>
```

