

Assignment-4: Map | Filter | Lambda

Write a Python program to create a lambda function that adds 25 to a given number passed in as an argument.

sample input: 10

sample output: 35

```
In [6]: r = lambda a : a + 5
print(r(5))
r = lambda x, y : x * y
print(r(7, 5))
```

```
10
35
```

Write a Python program to triple all numbers of a given list of integers. Use Python map.

sample list: [1, 2, 3, 4, 5, 6, 7]

Triple of list numbers:

[3, 6, 9, 12, 15, 18, 21]

```
In [8]: nums = (1, 2, 3, 4, 5, 6, 7)
print("Original list: ", nums)
result = map(lambda x: x + x + x, nums)
print("\nTriple of said list numbers:")
print(list(result))
```

```
Original list: (1, 2, 3, 4, 5, 6, 7)
```

```
Triple of said list numbers:
[3, 6, 9, 12, 15, 18, 21]
```

Write a Python program to square the elements of a list using map() function.

Sample List: [4, 5, 2, 9]

Square the elements of the list:

[16, 25, 4, 81]

```
In [9]: def square_num(n):
return n * n
```

```
print("Original List: ",nums)
result = map(square_num, nums)
print("Square the elements of the said list using map():")
print(list(result))
```

```
Original List: [4, 5, 2, 9]
Square the elements of the said list using map():
[16, 25, 4, 81]
```

In []: