1. Write a Python program to sort a list of tuples using Lambda.

**subject\_marks = [('English', 88), ('Science', 90), ('Maths', 97), ('Social sciences', 82)**

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subject\_marks.sort(key=lambda marks:marks[1])

print(subject\_marks)

[('Social sciences', 82), ('English', 88), ('Science', 90), ('Maths', 97)]

1. Write a Python program to square and cube every number in a given list of integers using Lambda.

nums=[1,2,3,4,5,6]

sqnum=list(map(lambda nums:nums\*\*2,nums))

print(sqnum)

[1, 4, 9, 16, 25, 36]

nums=[1,2,3,4,5,6]

cube=list(map(lambda nums:nums\*\*3,nums))

print(cube)

[1, 8, 27, 64, 125, 216]

1. Write a Python program to add two given lists using map and lambda

nums1 = [1, 2, 3]

nums2 = [4, 5, 6]

result = list(map(lambda x, y: x + y, nums1, nums2))

print(result)

[5, 7, 9]

1. Write an python program to filter all the elements in the list that are divisible by 13.

my\_list = [12, 65, 54, 39, 102, 339, 221, 50, 70]

my\_list = [12, 65, 54, 39, 102, 339, 221, 50, 70]

list1=list(filter(lambda my\_list:my\_list%13==0,my\_list))

print(list1)

[ 65, 39, 221]

1. Write a Python program that multiply each number of given list with a given number using lambda function. Print the result.

my\_list = [1, 2, 3]

list1=list(map(lambda my\_list:my\_list\*2,my\_list))

print(list1)

[2, 4, 6]