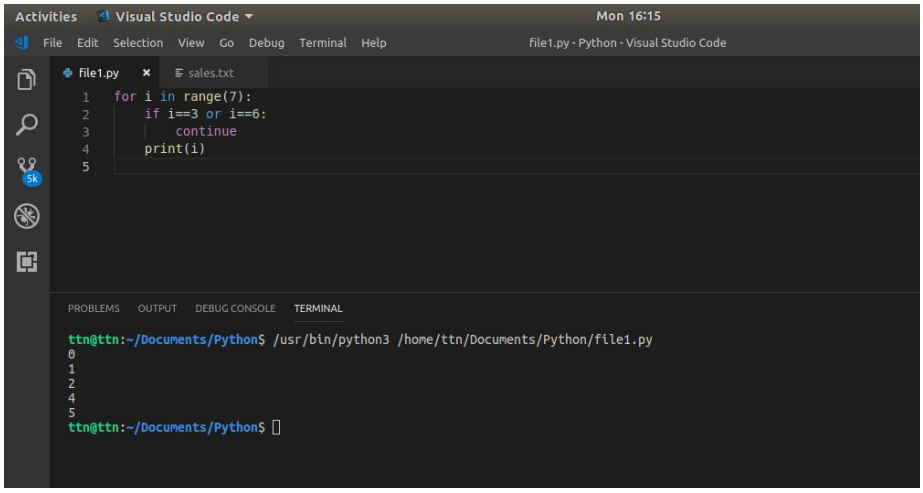
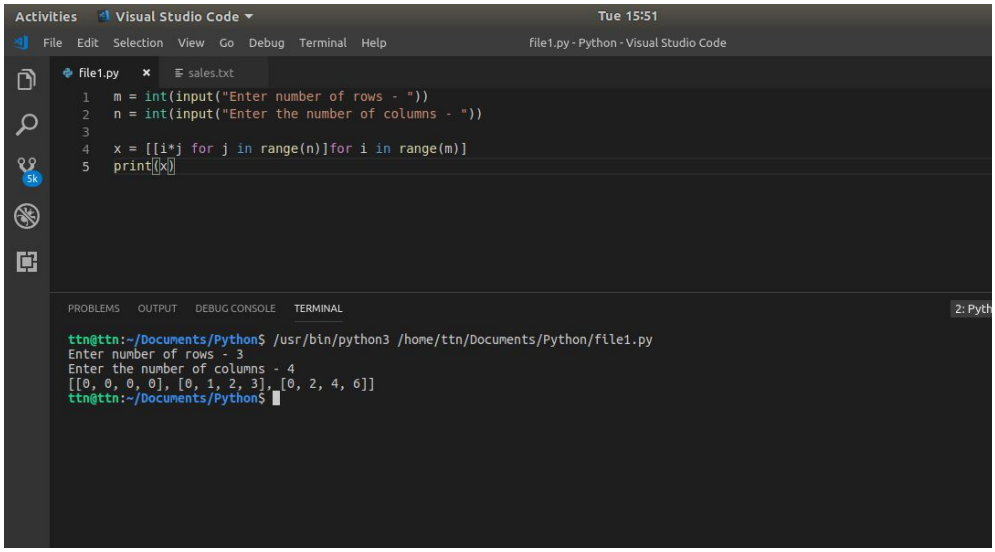
1. Write a Python program that prints all the numbers from 0 to 6 except 3 and 6.
Note : Use 'continue' statement.

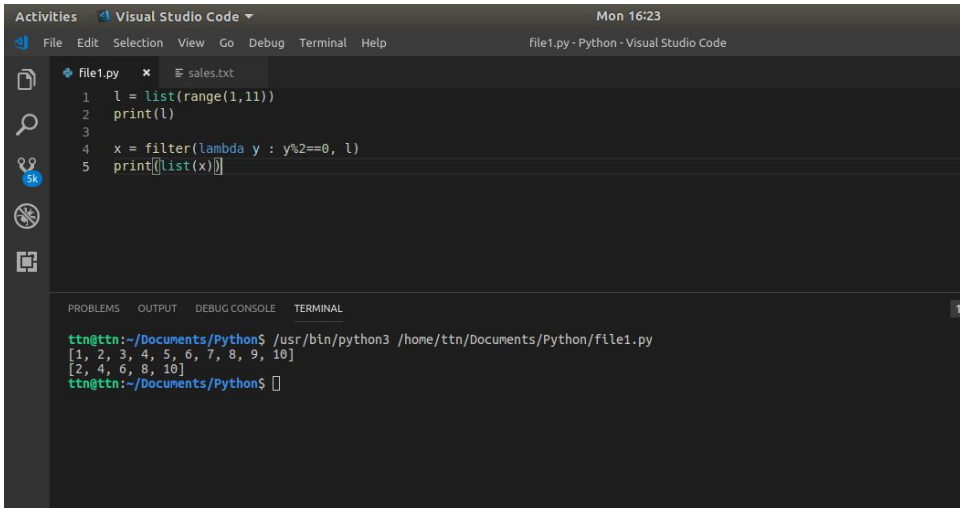


2. Write a Python program which takes two digits m (row) and n (column) as input and generates a two-dimensional array. The element value in the i-th row and j-th column of the array should be i*j.
Note:
i = 0,1.., m-1
j = 0,1, n-1.
Hint: Use input(), list comprehension, loops, range()
Test Data : Rows = 3, Columns = 4
Expected Result : [[0, 0, 0, 0], [0, 1, 2, 3], [0, 2, 4, 6]]

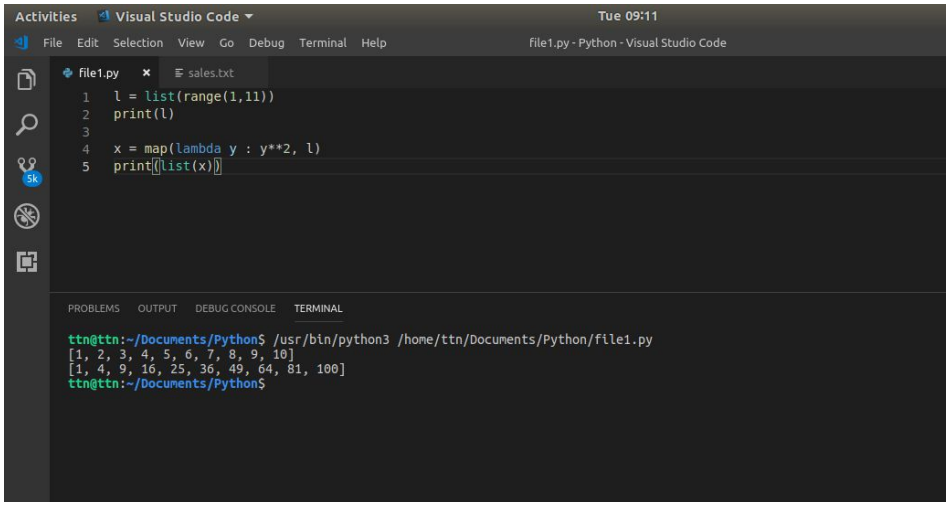


3. Write a program which can filter even numbers in a list by using filter function. The list is: [1,2,3,4,5,6,7,8,9,10].
Hints:

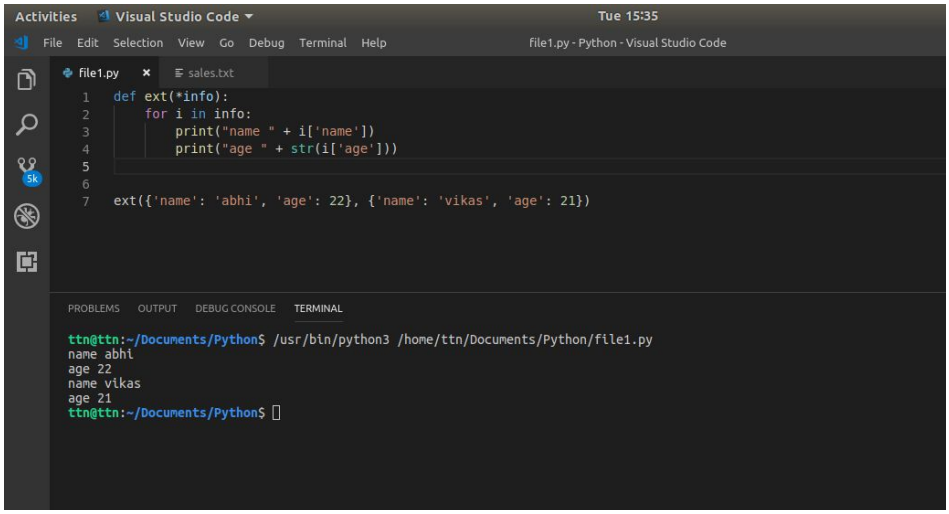
Use filter() to filter some elements in a list.
Use lambda to define anonymous functions.



4. Write a program which can map() to make a list whose elements are square of elements in [1,2,3,4,5,6,7,8,9,10].
Hints:
Use map() to generate a list.
Use lambda to define anonymous functions.



5. Write a python function using *args parameters to print name and age from list of students.
Test data: [{"name": "abhi", "age": 22}, {"name": "vikas", "age": 21}]
Expected result:
name abhi
age 22
name vikas
age


Activities
Visual Studio Code
Tue 15:35
File Edit Selection View Go Debug Terminal Help
file1.py - Python - Visual Studio Code
file1.py
sales.txt
def ext(*info):
for i in info:
print("name " + i['name'])
print("age " + str(i['age']))
ext({'name': 'abhi', 'age': 22}, {'name': 'vikas', 'age': 21})
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
ttn@ttn:~/Documents/Python$ /usr/bin/python3 /home/ttn/Documents/Python/file1.py
name abhi
age 22
name vikas
age 21
ttn@ttn:~/Documents/Python$