1.Write a Python function that takes two lists and returns True if they have at least one common member.

2. Use list comprehension to construct a new list but add 6 to each item.

3.Write a Python program to reverse a string.

4. Write a Python program to iterate over dictionaries using for loops.

5. Using dict comprehension and a conditional argument create a dictionary from the current dictionary where only the key:value pairs with value above 2000 are taken to the new dictionary.

6. Open the file data.txt using file operations.

7. Define a array ,data = array([11, 22, 33, 44, 55]) find 0 th index 4 th index data

8. Write a Python program to filter a list of integers using Lambda.
Original list of integers:
[1, 2, 3, 4, 5, 6, 7, 8, 9, 10]
Even numbers from the said list:
[2, 4, 6, 8, 10]
Odd numbers from the said list:
[1, 3, 5, 7, 9]

9. Write a Pandas program to create the specified columns and rows from a given data frame.

name': ['Anna', 'Dinu', 'Ramu', 'Ganu', 'Emily', 'Mahesh', 'Jayesh', 'venkat', 'Ajay', 'Dhanesh']
'score': [12.5, 9, 16.5, np.nan, 9, 20, 14.5, np.nan, 8, 19]
'attempts': [1, 3, 2, 3, 2, 3, 1, 1, 2, 1]
'qualify': ['yes', 'no', 'yes', 'no', 'no', 'yes', 'yes', 'no', 'no', 'yes']
labels = ['a', 'b', 'c', 'd', 'e', 'f', 'g', 'h', 'i', 'j']

10. Define a array data = array([11, 22, 33, 44, 55]) and slice it from 1 to 4

11. 9. #Write a NumPy program to test if any of the elements of a given array are non-zero. 10. Write a Python program to plot two or more lines and set the line markers.

12. Write a Python programming to display a bar chart of the popularity of programming Languages.
Sample data:
Programming languages: Java, Python, PHP, JavaScript, C#, C++
Popularity: 22.2, 23.7, 8.8, 8, 7.7, 6.7