1.Write a Python program to sum all the items in a list.

2.Create an identical list from the first list using list comprehension.

3Write a Python function to multiply all the numbers in a list.

4.Write a Python script to sort (ascending and descending) a dictionary by value.

5.First, create a range from 100 to 160 with steps of 10 using dict comprehension

6.Write a Python program to read an entire text file.

7.Write a lambda function that takes x as parameter and returns x+2. Then assign it to a variable named L.

8.Write a Pandas program to create a dataframe from a dictionary and display it.   
Sample data: {'X':[78,85,96,80,86], 'Y':[84,94,89,83,86],'Z':[86,97,96,72,83]}

9. Write a NumPy program to test whether none of the elements of a given array are zero. .all() function

10. Write a Python program that matches a string that has an a followed by one or more b's.

1Write a Python program to multiply all the items in a list.

2Create a list from the elements of a range from 1200 to 2000 with steps of 130, using list comprehension.

3.Write a Python function to find the maximum of three numbers.

4.Write a Python script to add a key to a dictionary.

Sample Dictionary : {0: 10, 1: 20}  
Expected Result : {0: 10, 1: 20, 2: 30}

5.First, create a range from 100 to 160 with steps of 10, dict comprehension

6.Write a Python program to read an entire text file.

7.Write a Pandas program to create and display a DataFrame from a specified dictionary data which has the index labels.   
Sample Python dictionary data and list labels:  
exam\_data = {'name': ['Anastasia', 'Dima', 'Katherine', 'James', 'Emily', 'Michael', 'Matthew', 'Laura', 'Kevin', 'Jonas'],  
'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']

8.Write a NumPy program to test if any of the elements of a given array are non-zero.

9.Write a Python program to check that a string contains only a certain set of characters (in this case a-z, A-Z and 0-9).

10. Write a Python program to draw a line with suitable label in the x axis, y axis and a title.