1. Write a function that calculates and returns mean of provided numeric data. It should handle data like [2,3,4] or [(1,2), (3,5)] where first item of tuple is value and second is frequency.

2. Write a function that returns median of data provided in list.

3. Write a function that returns mode of data provided in both form as que1.

4. Write a function that returns co-variance of data (re-use above functions)

5. Write a function that returns variance of data in list (re-use above functions)

6. Write a function that returns standard deviation of data in list

7. Write function that calculate Pearson correlation of two data sample

8. Write a function that accepts array of weight (kg) and height (m). It has to calculate BMI for each entry and return array of BMI ($BMI = \frac{weight}{height^2}$)