**Review Questions**

**Use Profiling**

1. **Define the following metrics and perform the following operations**
2. **Write a Python program using Python Lists**
3. **Write a Python program and NumPy**

Matrix A = [[ 3.7827 3.3454 3.2341] , [ 2.2122 3.5678 3.9087] ,

[1.1234 2.8934, 5.9087]].

Matrix B = [[ 3.1234 3.0987 3.1234] , [ 2.1111 3.2222 3.3333] ,

[1.0987 1.3456, 5.1234]].

Matrix C = [[ 3.1243 3.0989 3.1256 ] , [ 2.6721 3.6785 3.9017] ,

[1.1254 2.8956, 5.9187]].

1. **Write a Python Program and perform the following operations ?**
2. Create a List {1225, 4986, 6789, 7890, 2345, 6783, 0987, 1234, 8765, 3456}
3. Iterate using a for loop
4. Iterate using for loop and range
5. List Comprehension
6. Enumerate
7. Iter function and next function
8. Map function
9. Using zip
10. Using NumPy Module
11. **For a List A, B, C, D, E write a python program to compute all the combinations and permutations**
12. **Using the same list use itertools compute permutations and combinations**