**Assignment**

Python coding Questions

Tuple :

1. Question: Create an empty tuple named `my\_tuple`.

2. Question: Given a tuple `numbers = (1, 2, 3, 4, 5)`, how would you access the third element (the number 3) in the tuple?

3. Question: Write a Python program that takes a tuple of numbers and returns a new tuple with the numbers squared.

Example:

Input: `(2, 3, 4, 5)`

Output: `(4, 9, 16, 25)`

4. Question: Write a Python program to find the maximum and minimum values in a tuple of numbers.

Example:

Input: `(10, 5, 30, 8, 20)`

Output: `Maximum: 30, Minimum: 5`

5. Question:Write a Python function that takes a list of tuples, where each tuple contains a student's name and their score. The function should return a new list of tuples, sorted by the students' scores in descending order.

Example:

Input: `[("Alice", 85), ("Bob", 92), ("Charlie", 78), ("David", 95)]`

Output: `[("David", 95), ("Bob", 92), ("Alice", 85), ("Charlie", 78)]`