**Lab 4**

**Question 1:**

Create a list of your current semester courses..

**Program:**

sem\_courses = ['DSA','Probability & Statistics','HCI','HRM','Software Requirement Engineering']

print(sem\_courses)

**Output:**

['DSA', 'Probability & Statistics', 'HCI', 'HRM', 'Software Requirement Engineering']

**Question 2:**

Add course Python in the end of semester courses list.

**Program:**

sem\_courses.append('Python')

print(sem\_courses)

**Output:**

['DSA', 'Probability & Statistics', 'HCI', 'HRM', 'Software Requirement Engineering', 'Python']

**Question 3:**

Create an empty list with the name my\_course.

**Program:**

my\_course = list()

print(my\_course)

**Output:**

[]

**Question 4:**

Extend my\_course list with the semester courses list.

**Program:**

my\_course.extend(sem\_courses)

print(my\_course)

**Output:**

['DSA', 'Probability & Statistics', 'HCI', 'HRM', 'Software Requirement Engineering', 'Python']

**Question 5:**

Insert “Programming” at index 2 in the my\_course list.

**Program:**

my\_course.insert(2,'Programming')

print(my\_course)

**Output:**

['DSA', 'Probability & Statistics', 'Programming', 'HCI', 'HRM', 'Software Requirement Engineering', 'Python']

**Question 6:**

Remove element at index 1.

**Program:**

my\_course.remove('Probability & Statistics')

print(my\_course)

**Output:**

['DSA', 'Programming', 'HCI', 'HRM', 'Software Requirement Engineering', 'Python']

**Question 7:**

Add “Math1” to index 1.

**Program:**

my\_course.insert(1,'Math1')

print(my\_course)

**Output:**

['DSA', 'Math1', 'Programming', 'HCI', 'HRM', 'Software Requirement Engineering', 'Python']

**Question 8:**

Sort all courses in ascending order.

**Program:**

my\_course.sort()

print(my\_course)

**Output:**

['DSA', 'HCI', 'HRM', 'Math1', 'Programming', 'Python', 'Software Requirement Engineering']