**Indexing for Python list**

Consider a clinical trial with a list of patients and their corresponding treatment groups. The patient\_list contains patient IDs, and the treatment\_groups list contains the assigned treatment group for each patient. Answer the following questions using Python:

patient\_list = ["Patient001", "Patient002", "Patient003", "Patient004", "Patient005"]

treatment\_groups = ["DrugA", "Placebo", "DrugB", "Placebo", "DrugA"]

**Positive Indexing:**

a. Print the patient ID and treatment group of the 2nd patient in the trial.

b. What is the treatment group of the 4th patient in the trial? Print it using positive indexing.

c. Print the patient ID of the 1st participant in the trial.

**Negative Indexing:**

a. Print the patient ID and treatment group of the last patient in the trial.

b. Determine the treatment group of the 3rd to last patient in the trial. Print it using negative indexing.

c. Print the patient ID of the 2nd to last participant in the trial.

**Methods for Python list**

1)Append a new adverse event named “Fatigue” to the below list “adverse\_event\_list”

adverse\_event\_list = ["Rash", "Headache", "Nausea"]

2)Remove a adverse event named “Headache” from the below list “adverse\_event\_list”

adverse\_event\_list = ["Rash", "Headache", "Nausea",”Fatigue”]

3) Sort the below list “severity\_levels” in alphabetical order

severity\_levels = ["Mild", "Severe", "Moderate"]