

# 2023 GUI exercises

# Task 1

- Create a program that accepts the following inputs from the GUI.
  - CAT1 Marks, CAT2 Marks , CAT3 Marks, Exam Marks
- After accepting the inputs the program computes the total marks of the student using the following formula:  $\text{Total marks} = \text{Exam marks} + (\text{CAT1 Marks} + \text{CAT2 Marks} + \text{CAT3 Marks}) / 3$
- The program the grades the student using the following criteria
  - Above 100= Invalid
  - 70-100=A
  - 60-69=B
  - 50-59=C
  - 40-49=D
  - Below 40=Fail

# Task 2

- In the same package you did task 1 create a new JFrameForm that can be used by MTN Sacco to bill passengers at the Murang'a terminals.
  - The program should allow the user to select the destination and then bill as follows:
    - Thika-150
    - Nairobi-250
  - The program should also allow the user to define the number of seats they wish to book. It then computes the total amount to be charged based on the destination and number of seats booked.

# Task 3

- Link the two programs