CS-101: Programming Fundamentals

Quiz01

This quiz consists of three parts. You will be given a problem, you will first create a flowchart of it, then write pseudocode for it and finally python code. You can use idle to test your python code and write the answer on paper. You have *30 minutes* for this quiz. I recommend using 10 mins for each section, but the distribution depends on you.

Question:

You are boarding an aircraft and you want to get your luggage checked in. If your luggage weights less than 20 kgs, it will be acceptable. If your luggage weighs more than 20 kgs but less than 30 kgs, you will pay 200 Rs per kg. if your luggage weighs more than 30 kgs, your luggage will not be acceptable. Write a program that checks the weight of the luggage and satisfies all the conditions given above. The weight can be entered as decimal values so you should account for that. For example: 20.45, 10.0, 30.542, 5 are all valid values. **(10 marks for flow chart, 10 marks for pseudocode, 10 marks for python code)**