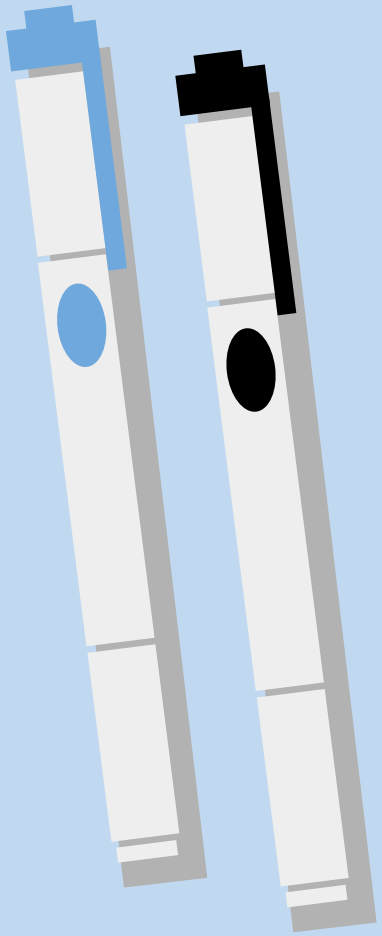

Lecture 12
Week 6

More conditions

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Lab assessment

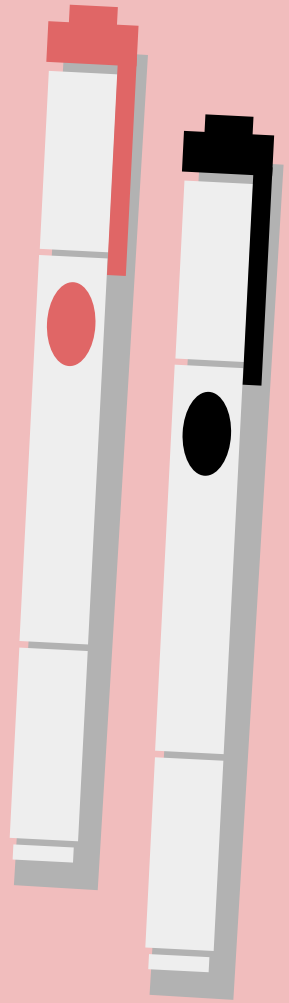
Week 7

The next assessment will take place in week 7 during the 1 hour lab session

- Monday 6th Group D-Y
- Wednesday 8th Group B-X
- Wednesday 8th Group D-X
- Thursday 9th Group B-Y

You will have 40 minutes, and you must submit a .py file before the submission window closes.

Everything we have covered so far plus material from this week will be covered.



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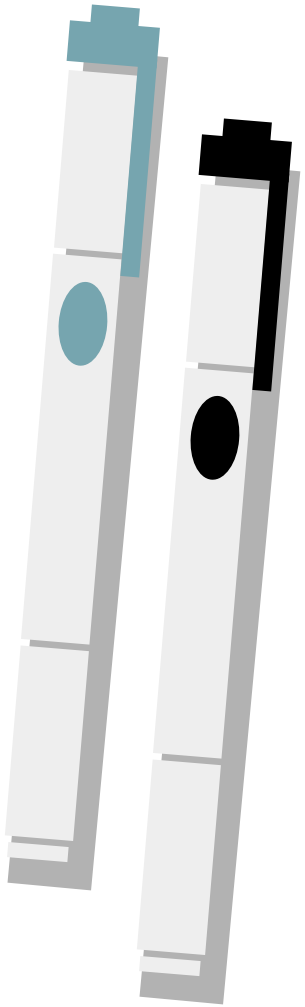

Write code to ask the user for their name. Add an if statement to determine if that name contains the letter 'e' (or 'E').

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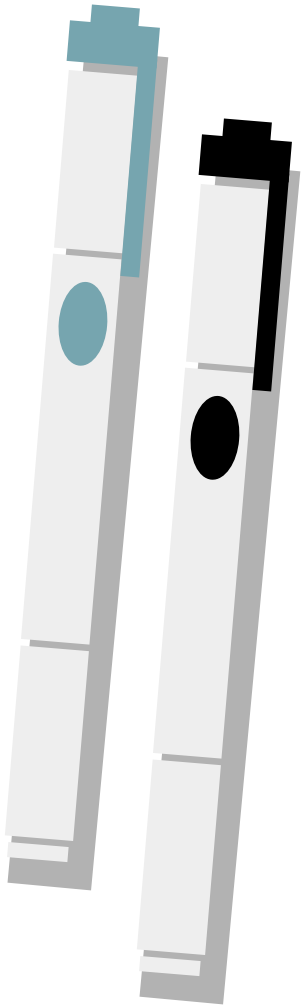

Write code to ask for & read a person's first name. Reject the name if it contains anything other than letters. If it contains only letters, tell the user:

- the name is short if it is 2 characters or less
- the name is long if it is over 8 characters long
- whether or not the name starts and ends with the same letter (ignoring case)
- whether or not they share their name with one of the Famous Five : Julian, Dick, Anne, George and Timmy.

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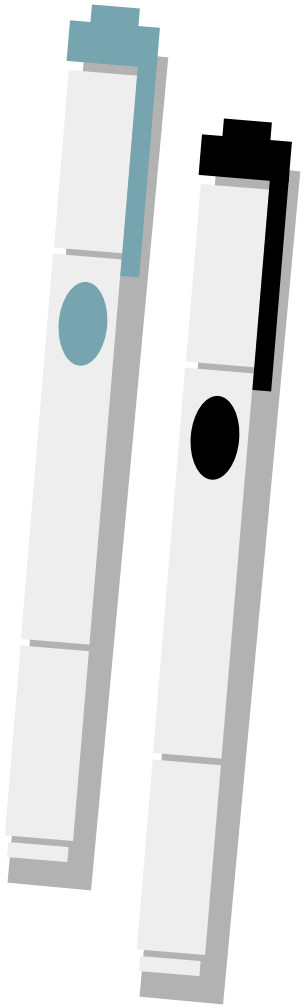

Write a program to find the eligibility of admission to a professional course based on the following criteria:

- Mark in Maths is at least 65
- Mark in Physics is at least 55
- Mark in Chemistry is at least 50
- Total in all three is at least 190 or total in Maths and Physics is at least 140

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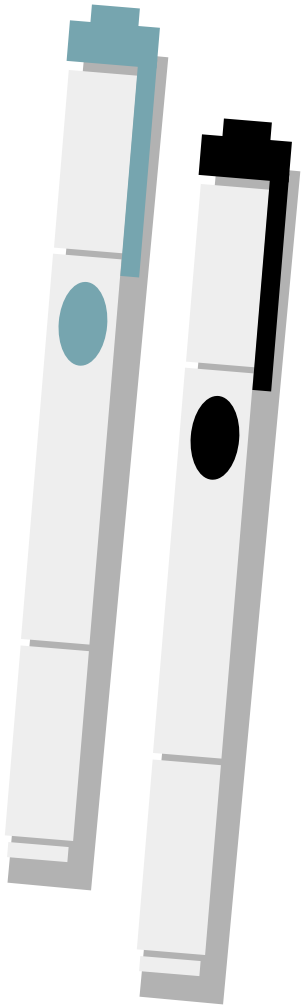

Write a program to calculate and print the electricity bill of a given customer. The customer id, name and units consumed by the user should be read from the keyboard and the total amount to pay should be displayed to the customer.

The charges are based on usage eg. 300 units are charged at 40c each so €120.00.

Units	Charge/Unit
Up to 199	30c
200 and above but less than 400	40c
400 and above but less than 600	55c
600 and above	70c

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