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SET 2

Construct a flow chart that reads an integer number and then calculate the sum of its digits. After that, identify whether the sum of digits for the integer is an even or odd number, and a multiple of 4, and/ or 5.

Hint: You should use operator divide (/) and modulus (%) and also **pre-test loop** to answer this question.

Example 1

Enter an integer number: 1235 $5 + 3 + 2 + 1 = 11$

11 is odd number

Example 2

Enter an integer number: 6545 $5 + 4 + 5 + 6 = 20$

20 is even number & multiples of 4 and 5

Example 3

Enter an integer number: 89251 $1 + 5 + 2 + 9 + 8 = 25$

25 is odd number & multiples of 5

Example 4

Enter an integer number: 98762 $2 + 6 + 7 + 8 + 9 = 32$ 32 is even number & multiples of 4

Note: The number in bold indicates input entered by the user. Draw your flow chart using any appropriate drawing tools such as Microsoft Visio, Lucid chart

(<https://www.lucidchart.com/pages/examples/flowchart-maker>), and draw.io (<https://app.diagrams.net/>).

