3407001022021
Basic Information Technologies

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Room: 335

https://github.com/ihpar/bit_chem

Exercise 1

- Ask the user how they are feeling. Respond with an appropriate message.

Exercise 2

- Ask the user their age. Display their year of birth.

Exercise 3

- Ask the user for their exam mark. Display the corresponding letter grade.
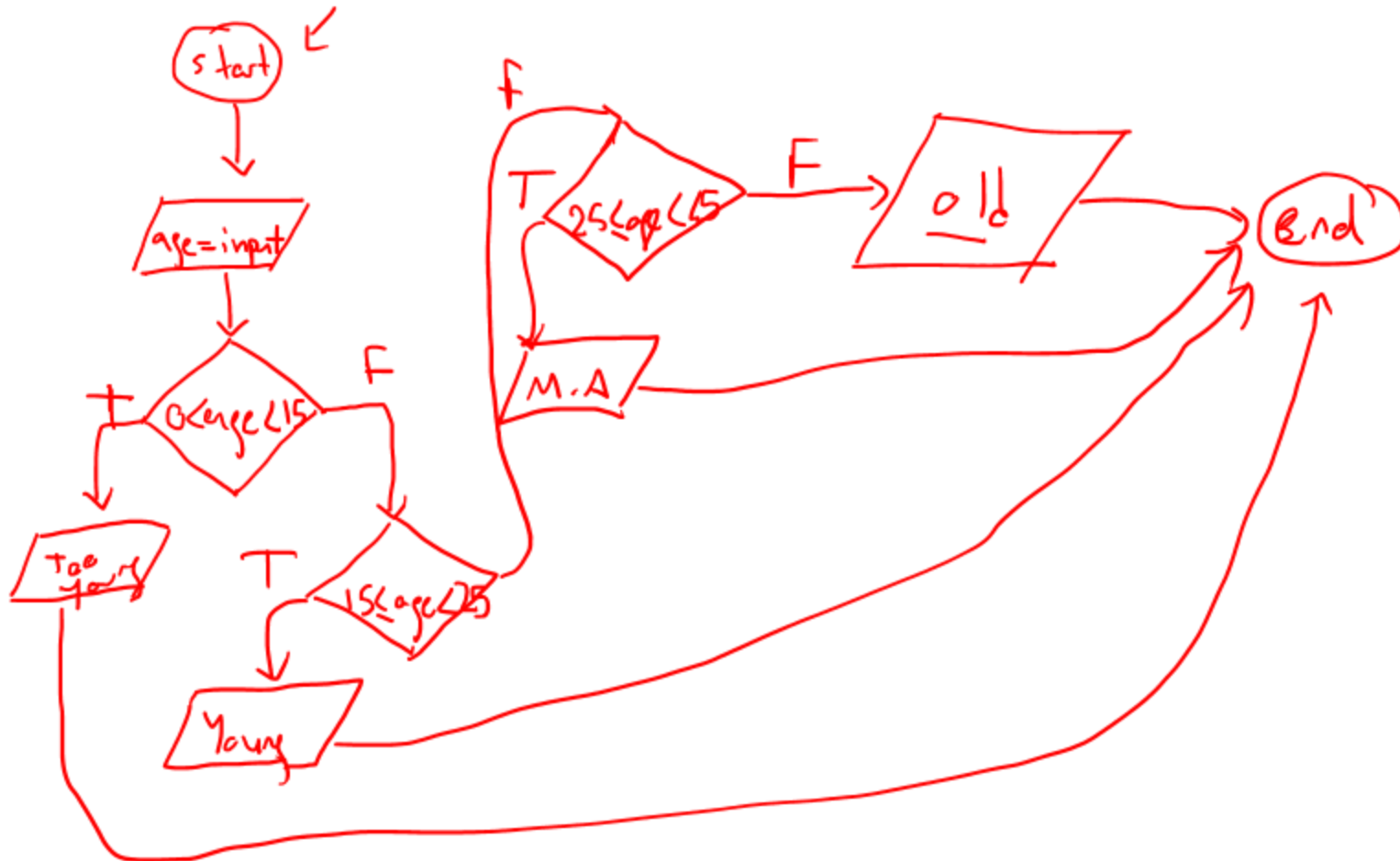
Exercise 4

- Ask the user to enter a number. Display whether the number is odd or even.

Exercise 5

- Ask the user to enter a number between 1-10. Display whether the number is prime or not.
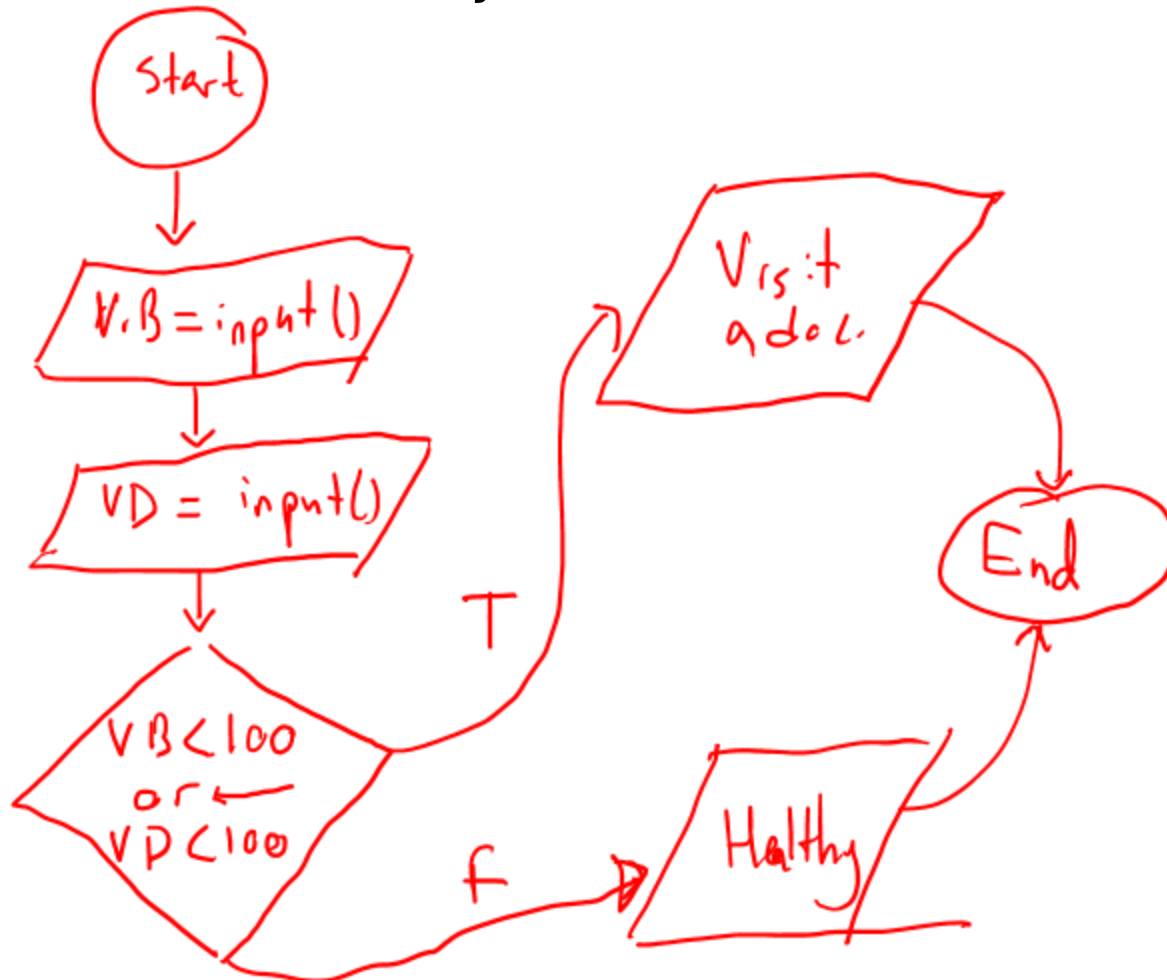
Exercise 6

- Ask the user for their age. Display one of the following categories: 'Too young (0–15)', 'Young (15–25)', 'Middle-aged (25–45)', or 'Old (45 and above)'.
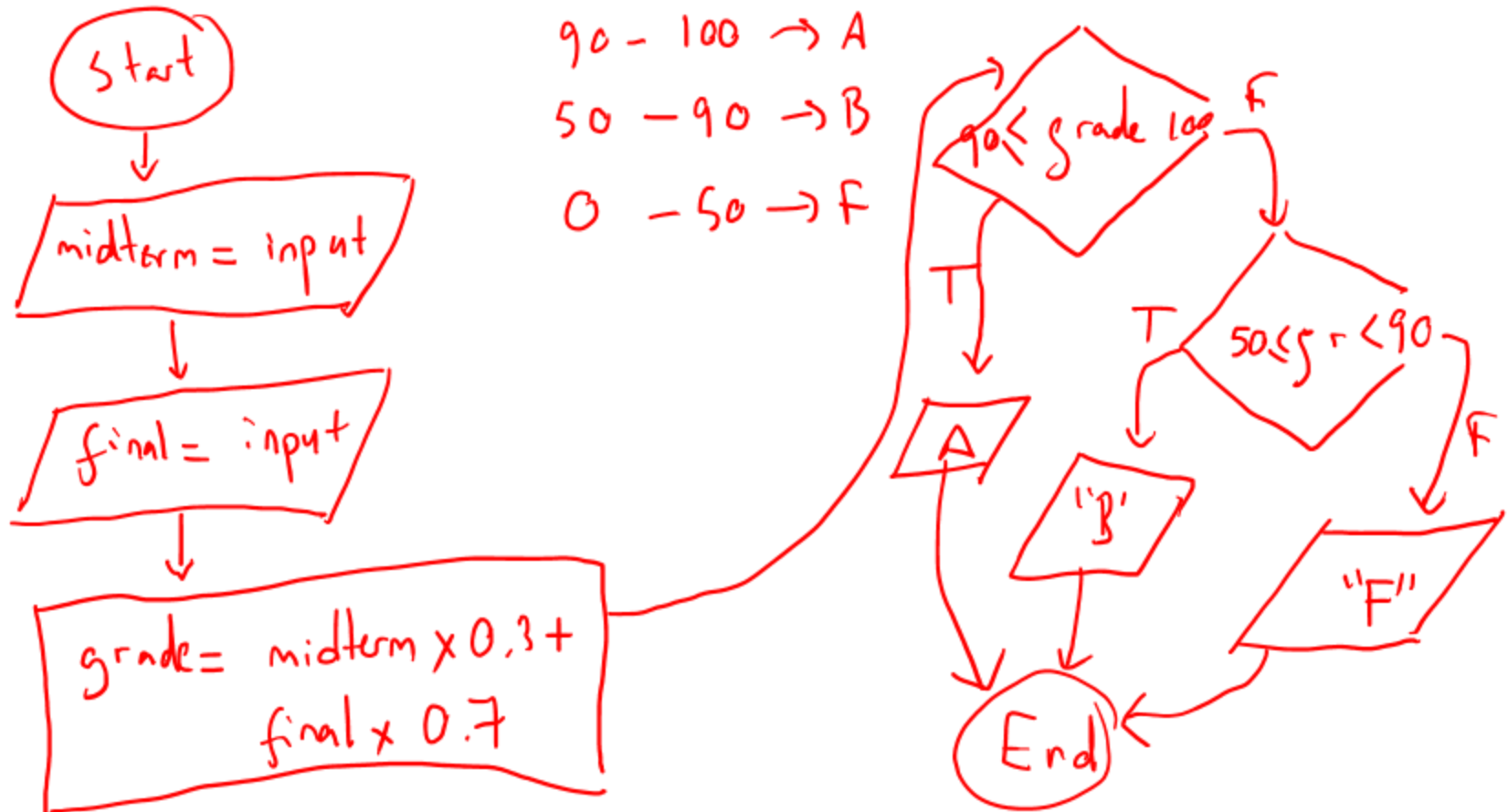
Exercise 7

60   120   ↓

- Ask the user for their vitamin B and D levels. If either level is below 100, display 'Visit a doctor'; otherwise, display 'You are healthy'.
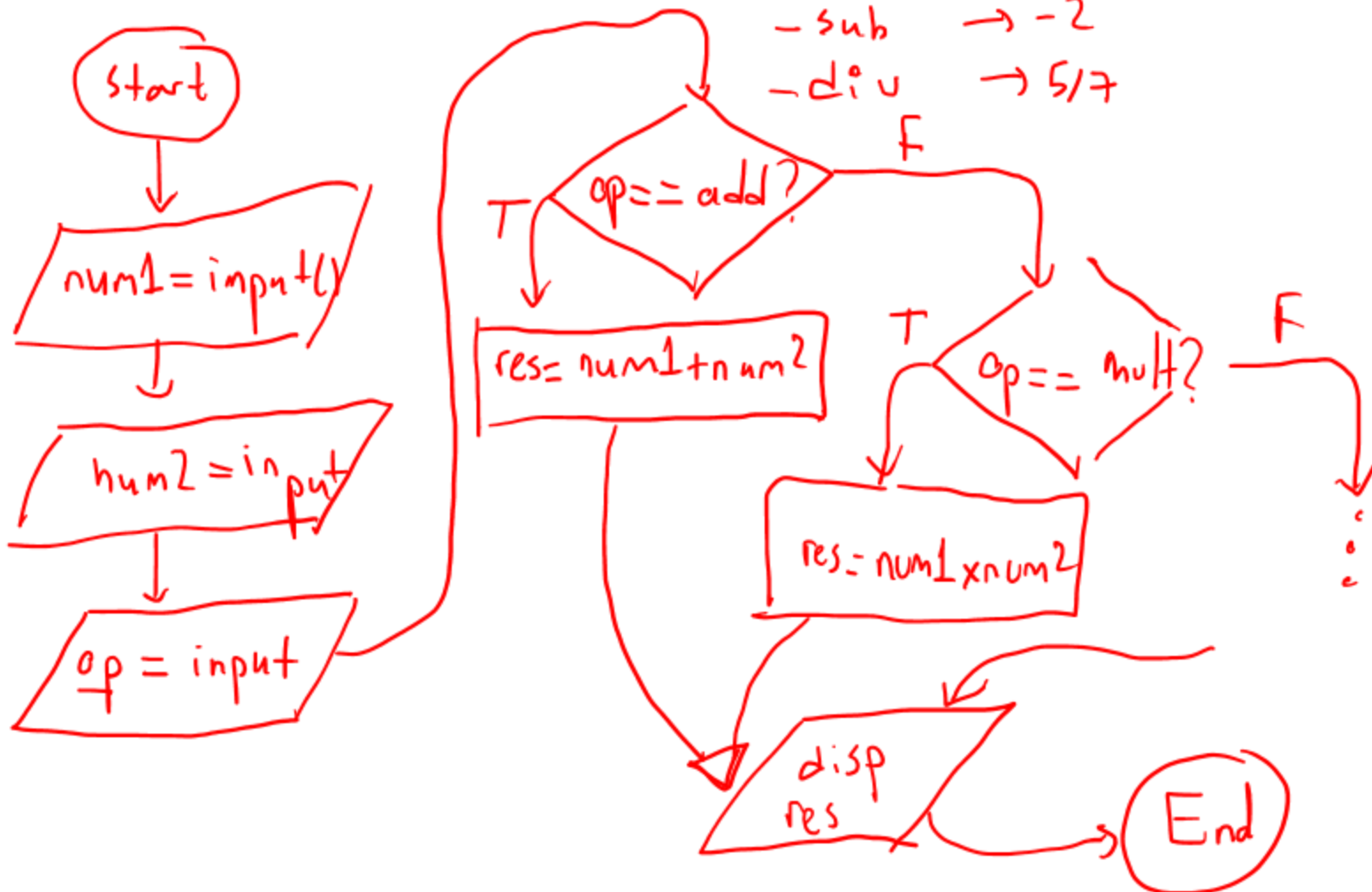
Start

V.B = input()

VD = input()

VB < 100
or
VP < 100

T

Visit
a doc.

End

f

Halthy

Exercise 8

- Ask the user for their midterm grade (30%) and final grade (70%). Display the corresponding letter grade.

Exercise 9

5   add

7   mult   → $\frac{12}{35}$

- Ask the user for two numbers and an arithmetic operation. Display the result based on the user's input.

− sub   → −2

− div   → 5/7

Start

num1 = input()

num2 = input

op = input

op == add?   T / F

res = num1 + num2

op == mult?   T / F

res = num1 × num2

disp res

End

Exercise 10

$target = random(1,8)$

- In this game, the computer selects a number between 1 and 8. The user has three attempts to guess the number.