1, What is Boolean? Write down 3 different expression that results a Boolean type

\* A Boolean value is either true or false

In Python, the two Boolean values are True and False (the capitalization must be exactly as shown), and the Python type is bool.

\* A Boolean expression is an expression that evaluates to produce a result which is a Boolean value

For example

The expression "5 > 3" is evaluated as true.

The expression "3 > 5" is evaluated as false.

The expression "1 > 9" is evaluated as false.

2, What is a flow chart? Draw flow chart for the following code snippet

if name == “Huy be":

   print(“Hand some")

elif name == “Huy big":

   even\_more\_handsome = True

else:

   webbrowser.open(“<https://www.youtube.com/watch?v=04854XqcfCY>”)

A flowchart is a type of diagram that represents an algorithm, workflow or process. The flowchart shows the steps as boxes of various kinds, and their order by connecting the boxes with arrows

Ex :

If Elif

Else

Name == “ Huy be “ Name == “ Huy big “

Webbrowser.open

Print(“Handsome”) Even\_more\_handsome True

3, What is nested conditionals? Write a piece of code that uses nested conditionals

Nested conditionals: one conditional can also be nested within another

Ex:

**if** x < y:

STATEMENTS\_A

**else**:

**if** x > y:

STATEMENTS\_B

**else**:

STATEMENTS\_C