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 "1 > 0" is evaluated as true.

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

The expression "1 > 1000" 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 “***

***Open website***

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

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

***Nested conditionals is one conditional which can also be nested within another***

Ex:

*if x < y:*

*STATEMENT\_A*

*else:*

*if x > y:*

*STATEMENT\_B*

*else:*

*STATEMENT\_C*