Read Chapter 5, section 5.1, 5.3, 5.5, 5.6, 5.7 and 5.10 of “How to Think Like a Computer Scientist: Learning with Python 3”:

<http://www.ict.ru.ac.za/Resources/cspw/thinkcspy3/thinkcspy3.pdf>

And then answer the following questions:

1. What is Boolean? Write down 3 different expression that results a Boolean type (i.e. 5 == 6)

Ans:

* + Boolean value is either true or false. This is the basis of all modern computer logic.
  + Example: 1 < 2 (True); 1> 2 (False): 3!=4 (True)

1. What is a flow chart? Draw flow chart for the following code snippet: (you can draw on a paper, take a picture of it)

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>”)

Ans:

* + A flowchart is a type of diagram that represents the logic of the code program.

1. What is nested conditionals? Write a piece of code that uses nested conditionals

Ans: A nested conditional is an if statement which is attached with another small conditional.