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)

**Answer:**

+) A Boolean value is either true or false

+) For example:

5 == (3 + 2)

5 == 6

False

n="rua"

" con" +name== "con rua"

True

a=0

b=1

a>b

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>”)

Hand some

Huybe

Huybigg

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

even\_more\_handsome = True

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

I think nested conditionals are when I use a conditional clause in another conditional

Example:

elif a == "C4Y":

if b!= "ctc":

print ("password iss incorrect")

elif b == "ctc":

print ( "Welcom to the program")