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

A Boolean value is either true or false. A Boolean expression is an expression that evaluates to produce a result which is a Boolean value.

For example:

x = 159

y = (123+36)

print(x==y)

True

x = 159

y = (15\*9)

print(x==y)

False

x = 'Momo '

test = x + 'Tarou' != 'Momo Tarou'

print(test)

False

1. **What is a flow chart? Draw flow chart for the following code snippet:**

A flow chart is a diagram that shows a series of steps as boxes connected with arrows. Each box represents a step, and the arrows show the steps leads to which other steps.

Name == “Anh Quan”

**True**

**False**

**False**

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

Name == “Minh Duc”

Even\_more\_handsome = True

**True**

Print(“Hand some”)

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

Nested conditionals = One conditional is **nested** within another.

For example:

x = int(input('Enter evaluation score? '))

if x > 5:

    if x >= 8:

        print('Pass;', 'Good')

    else:

        print('Pass;', 'Need to improve more')

else:

    print('Not pass')