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| *school-learn-study-hat-graduate-512.png* | ***Study*** |

1. A Boolean expression is an expression that evaluates to produce a result which is a Boolean value. A Boolean value is either TRUE or FALSE. The Python type of a Boolean value is bool.

Examples:

|  |  |
| --- | --- |
| >>> 0 == (5 – 5)  TRUE | >>> 100 != (37 + 64)  TRUE |
| >>> 10 >= (5 \* 2)  TRUE | >>> 10 > (5 \* 2)  FALSE |
| >>> n = “Chi”  n + “Pham” = “ChiPham”  TRUE | |

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

“Handsome”

Name == “Dinh Quy”

TRUE

FALSE

Name == “Tuan Anh”

TRUE

“More handsome”

FALSE

<https://www.youtube.com/watch?v=04854XqcfCY>

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

Nested conditionals are conditionals that are contained within each other.

Example:

n = str(input("Homework done?"))

if n == "Yes":

print("Great")

else:

if n == "No":

print("You are wasting money")

else:

print("Answer the question, dude!")

print()