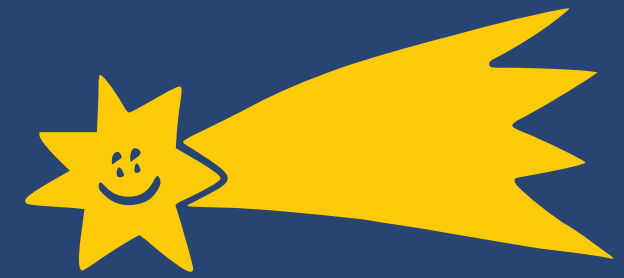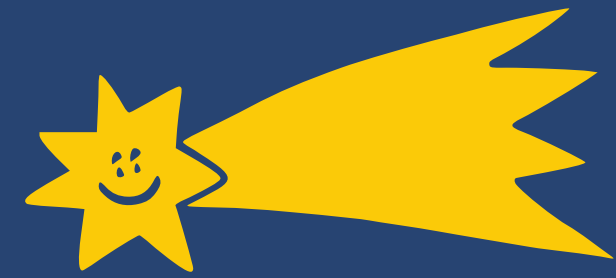Task 1

Data Science Track (Python)

Whitespace

Data Types in Python

You'll learn about several basic numeric, string, and Boolean types that are built into Python.
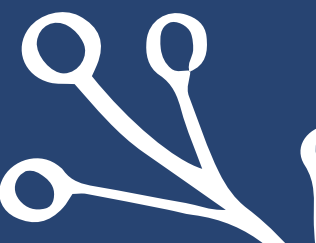
Numeric

numeric type data is data that consist of number without quatition marks. this type of data can be divided to 3 kinds : integer,float, and complex
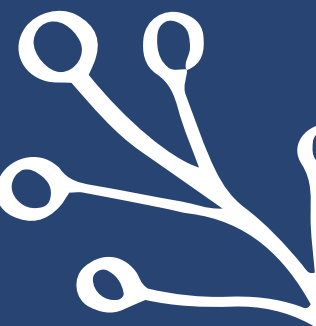
Integer

interger is one kinds of numerical data. integer consist of round number (no decimal) . its value can be positif or negatif. general programing language gives integer range data -2,147,483,647 to 2,147,483,647

Float

The float type in Python designates a floating-point number. float values are specified with a decimal point.

Complex

Complex number data type is numeric data type that consist of 2 part real component and imainer component. Complex data type are written in the formulation x + yj with x is real component and yj is imaginer component.

String

string is one kind of data type. this kind of data consist of a bunch of character. string data type not only consist of word but also number. python will read data as string as long as characters begin and end with (" or ')

Boolean

💡 Boolean data type is a data type that has one of two possible values (usually denoted true and false) which is intended to represent the two truth values of logic and Boolean algebra

use case and example

type data

Use Case: Data type.

integer usually use for data that dont have decimal like age , ID Number and ect

float usually use for data that need precisely like scientific and research purpose

Complex usually use for theorically purpose in scientific purpose and for electricity. complex number consist of real component and imaginer component.

String usualy use for statement that cant be operated with operator such as (+,-,*,/). so the dta remain intact or same

Bollean usually use for logical function

data type example

Integer=[30,21,45,89,2,12,ect]

Float=[3.001,4.8,22.9,42.8972,23.0,ect]

Complex=[(1+2j),(34+98j),(9+675j),ect]

String=[("12"),("siapa"),("NP678"),ect]

Boolean=[True,False]

Thank you
for coming!

Join us for another porto next
weekend!