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# Lab 1 Assignment

## ESS 112 - Programming I [Python]

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## Explanation of data types in python - int, float, string

### Integer(int):

The int data type stores data in the form of integers in base 10. They do not have a decimal point.

### Floating-point number (float):

Float is used to represent real numbers and is written with a decimal point dividing the integer and fractional parts.

### String(str):

A string is a collection of one or more characters put in a single quote or double quote.

### Functions of “+” operator

```
type help , copyright , credits or license for more information.
[>>> type(1+2)
<class 'int'>
[>>> type(2.6+1.2)
<class 'float'>
[>>> type("a"+"b")
<class 'str'>
[>>> type(2+2.0)
<class 'float'>
[>>> type(2+"str")
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
TypeError: unsupported operand type(s) for +: 'int' and 'str'
[>>> type(2.0+"str")
Traceback (most recent call last):
  File "<stdin>", line 1, in <module>
TypeError: unsupported operand type(s) for +: 'float' and 'str'
>>> █
```