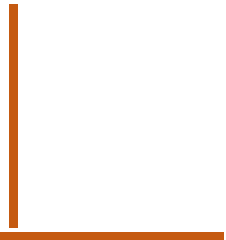# PYTHON FOR COMPUTATIONAL PROBLEM SOLVING

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PYTHON FOR COMPUTATIONAL PROBLEM SOLVING

Operator Polymorphism

Operator polymorphism

Operator polymorphism is a type of polymorphism where an operator behaves differently based on the type of the operands.

Operator polymorphism

For example:

+ acts as addition operator if the operands are numbers.

+ acts as concatenation operator if the operand are strings.

Note: Boolean literal True represents value 1 and False represents value 0

```
>>> 4+5.0
9.0
>>> True+True
2
>>> '4'+'5.0'
'45.0'
```

Operator polymorphism

* Works as multiplication operator if the operands are numbers.

* Works as repetition operator if one operand is a string and other operand a non- negative integer

```
>>> 5*3.0
15.0
>>> True*3
3
>>> '5'*3
'555'
```

THANK YOU

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