

Class  
viii

# Python Basics

part II

Lab 18

```
print "Hello World"
```

Supported by

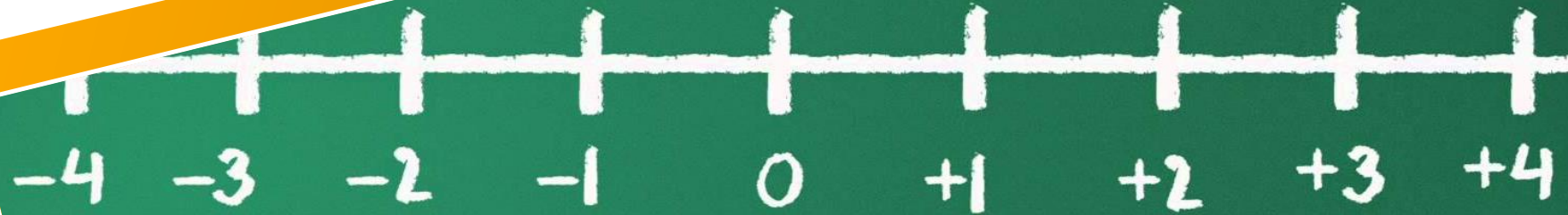


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# Integers

All positive  
and negative  
numbers.  
Zero is also  
an Integer



When we subtract  
a positive we move  
to the left on the  
number line.

$$- +3 = +2$$

When we add a  
positive we move to  
the right on the  
number line.

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# Floating point

## Digit including point

- -1.2, -1.50, 1.1, 1.2, 2.5
- Note that the value 42 is an integer but 42.0 is a floating point



# Strings

## Strings

The text values are called strings

- ✓ strings values are surrounded by single or double quote so that python recognize which is strings. 'Hello World' or "Hello World"
- ✓ You can even have a strings without character ' ' this is called blank strings

# Concatenations

You can join two strings  
but can't multiply two  
strings.

```
>>> 'alice' + 'bob'
```

```
>>> 'alicebob'
```

```
>>> 'Alice' * 3
```

```
>>> AliceAliceAlice
```

```
>>> 'alice' + 5
```

```
>>> Error (can only concatenate str (not "int")  
to str)
```

```
>>> 'hasib' * 'Rabbi'
```

```
>>> Error (can't multiply sequence by non-int  
of type 'str')
```



# Variable

The stuff which may vary.  
You don't have to use  
quote for integers.

```
>>> var_1 = "apple"  
>>> var_1  
apple
```

```
>>> myBalance = 100  
>>> yourBalance = 120  
>>> myBalance+yourBalance  
220
```

```
>>> a = "Apple"  
>>> b = "Orange"  
>>> a+b  
AppleOrange
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# Writing Program in Text Editor

Text editor is used for writing large code or real life project building. Print ( ) function is used to run your code



```
hello.py - C:/Users/deepto/Desktop/python...
File Edit Format Run Options Window Help
print('What is your name?')
myName = input()
print('It is good to meet you, ' + myName)

print('The length of your name is:')
print(len(myName))

print('What is your age?')
myAge = input()
print('you are ' + myAge + ' years old')

Ln: 9 Col: 15
```





Thank You!

You'll learn flow control from next  
lab

