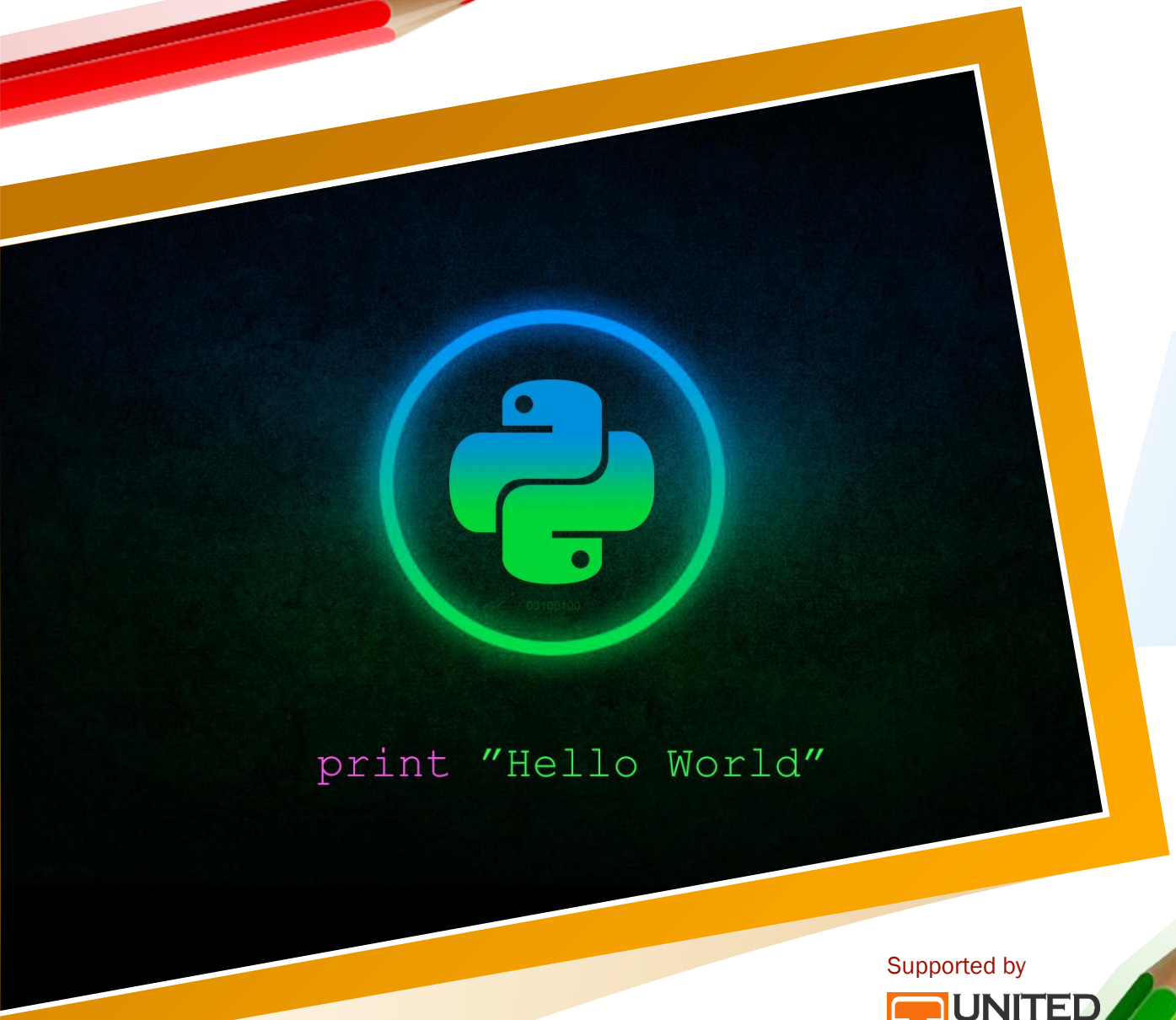
Class viii



String Manipulation

Lab 20

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Strings

String can be declared with single quote or double quote. But there are few problems in single quoted string

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Problems in Single Quote

Python counts string from the first quote, when it get another quote it just stops counting string. That's why problem arises

```
>>> c = 'I am a 'student' of class Eight'
SyntaxError: Invalid syntax
>>>
```

Solution: Uses of double quoted string

Using double quote can fix your error

```
>>> c = “I am a ‘student’ of class Eight”
I am a ‘student’ of class Eight
>>>
```


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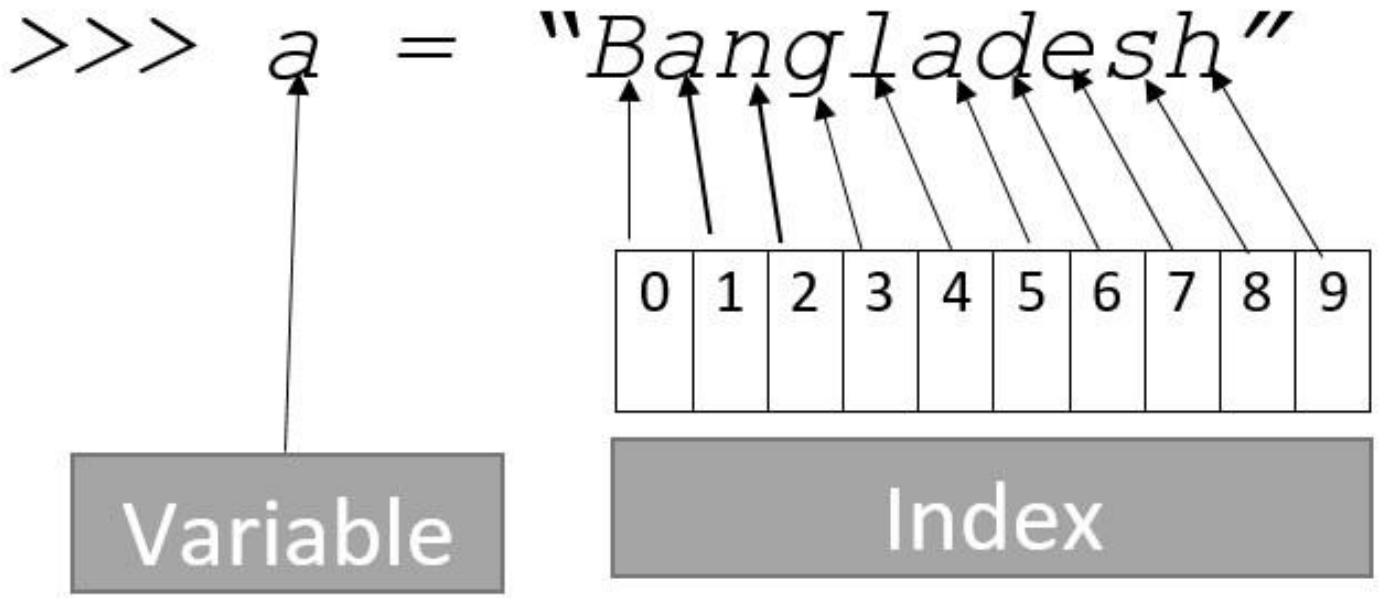
Index of String

Index starts from the number zero



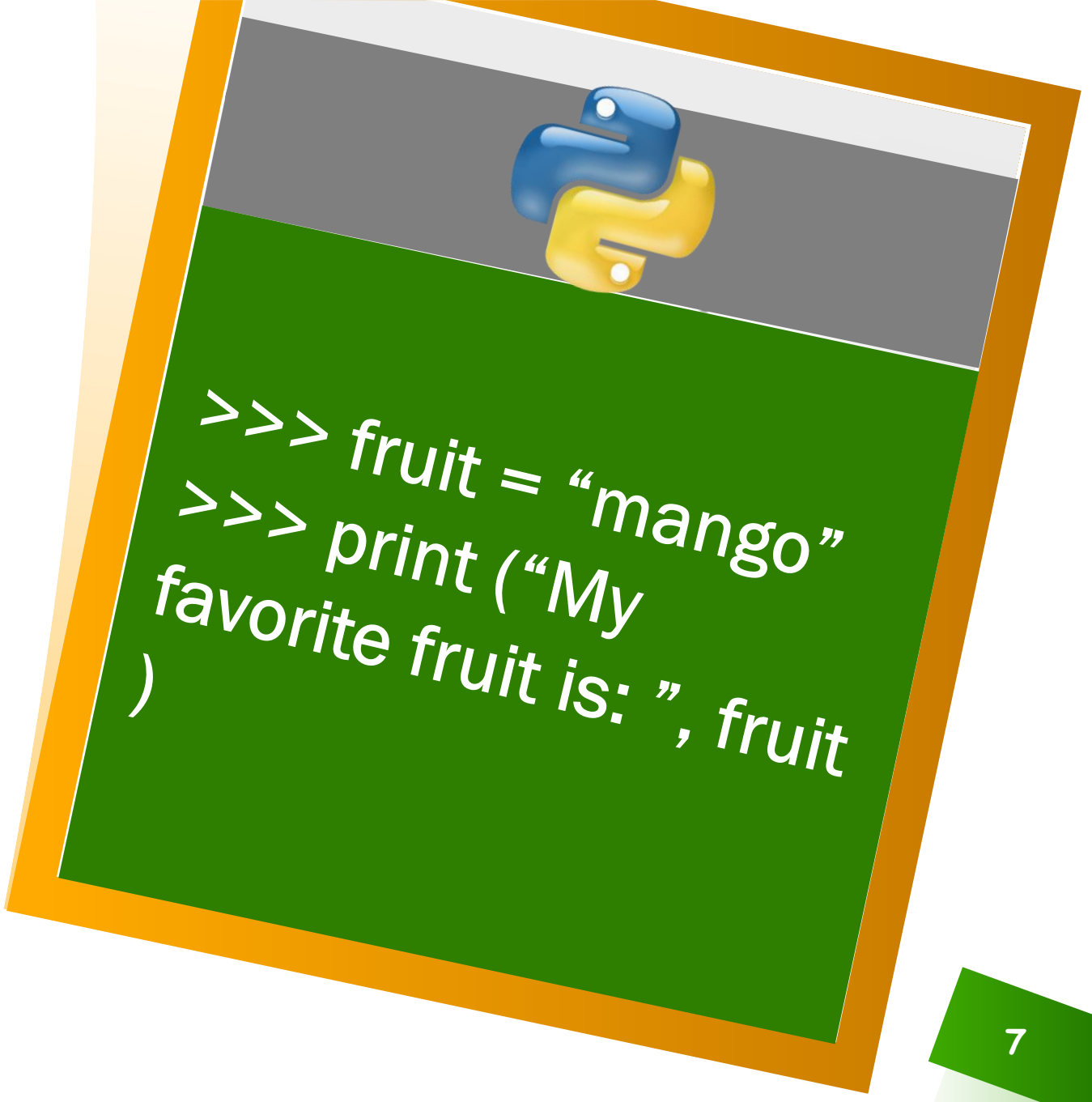
Checking Index

Error will be raised when we are checking an invalid index

```
>>> a = "bangla"
>>> a[0]
'b'
>>> a[1]
'a'
>>> a[2]
'n'
>>> a[3]
'g'
>>> a[4]
'l'
>>> a[5]
'a'
>>> a[6]
Traceback (most recent call last):
  File "<pyshell#11>", line 1, in <module>
    a[6]
IndexError: string index out of range
>>>
```

String with Variable

You can use string and variable at a same time inside the print function



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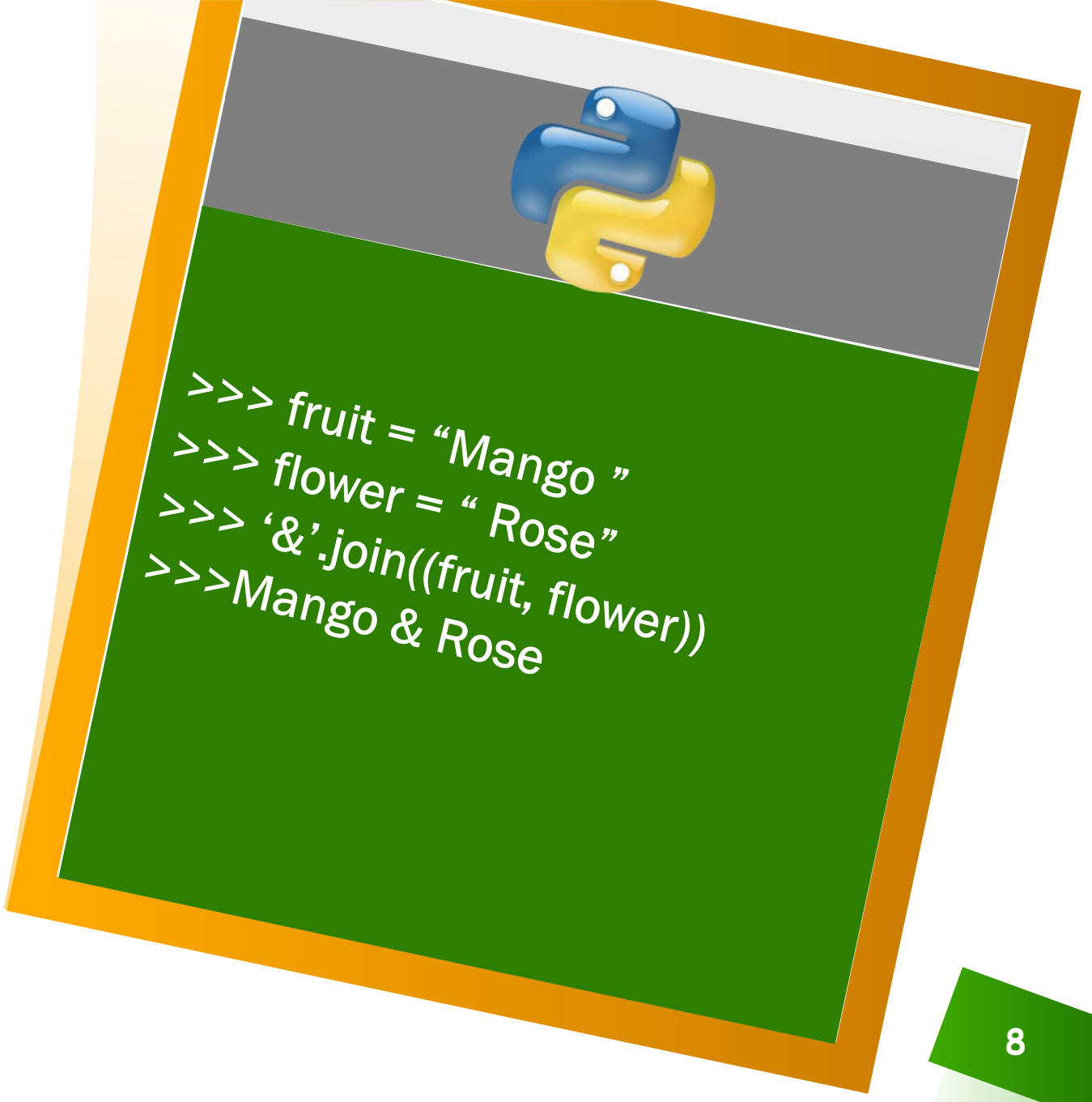
Join Function

You can join character among many strings



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Upper & Lower Case

It's too much easy to turn capital letter into small letter and vice versa.

```
>>> a = 'apple'
>>>a.capitalize()
Apple
>>>

>>> b = "English"
>>>b.upper()
ENGLISH
>>>

>>> c = "ENGLISH"
>>> c.lower()
english
>>>
```

Thank You!

You'll learn list, tuple & set from next lab