

In []:

len, slicing

TODAY TOPIC

In [10]:

```
students = ("anjali", "harish", "karthika", "naveen", "ram", "samia", "suresh", "vandana")
print(students)
```

```
('anjali', 'harish', 'karthika', 'naveen', 'ram', 'samia', 'suresh', 'vandana')
```

In [11]:

```
print(students)
```

```
('anjali', 'harish', 'karthika', 'naveen', 'ram', 'samia', 'suresh', 'vandana')
```

In []:

```
# length of the students
```

In [7]:

```
len(students)
```

Out[7]:

8

In [12]:

```
for x in students:
    if x == "vandana" :
        print(x.upper())
    else:
        print(x.title())
```

```
Anjali
Harish
Karthika
Naveen
Ram
Samia
Suresh
VANDANA
```

In []:

```
# Slicing
```

In []:

```
# Variable [startvalue: stopvalue: stepcount]
```

In [13]:

```
print(students[0:1])
```

```
('anjali',)
```

In []:

```
# Above you see the last value is exclusive
```

```
In [ ]:
```

```
# EX: of slicing
```

```
In [14]:
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```
print(students[0:2])
```

```
('anjali', 'harish')
```

```
In [15]:
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```
print(students[2:4])
```

```
('karthika', 'naveen')
```

```
In [16]:
```

```
print(students[4:6])
```

```
('ram', 'samia')
```

```
In [17]:
```

```
print(students[6:8])
```

```
('suresh', 'vandana')
```

```
In [ ]:
```

```
# Craete a slice
```

```
In [18]:
```

```
print(students[0:8:2])
```

```
('anjali', 'karthika', 'ram', 'suresh')
```

```
In [ ]:
```

```
# Negative indexing
```

```
In [19]:
```

```
print(students[-1])
```

```
vandana
```

```
In [20]:
```

```
print(students[-2])
```

```
suresh
```

```
In [21]:
```

```
print(students[::-1])
```

```
('vandana', 'suresh', 'samia', 'ram', 'naveen', 'karthika', 'harish', 'anjali')
```

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In [ ]:
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In [ ]:
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