

Polymorphism_[Day_12]_(DATA_MINDS)

September 13, 2023

POLYMORPHISM - MULTIPLE BEHAVIOUR OR DIFFRENT KIND OF A BEHAVIOUR FOR DIFFERENT SITUATIONS

IT WILL SHOW MULTIPLE BEHAVIOUR FOR DIFFRENT KIND OF OPERATION WITH SINGLE BASE FUNCTION WITHOUT CHANGE THEMSELF

```
[1]: def test(a,b):  
      return a+b
```

```
[2]: test(5,4)
```

```
[2]: 9
```

```
[4]: test("Virat"," Tiwari")
```

```
[4]: 'Virat Tiwari'
```

```
[5]: a=[2,5,6,4,89,4]  
      b=[5,6,3,4,627,3]
```

```
[6]: test(a,b)
```

```
[6]: [2, 5, 6, 4, 89, 4, 5, 6, 3, 4, 627, 3]
```

```
[85]: class data_science:  
       def syllabus(self):  
           print("This is my syllabus for the data science")
```

```
[86]: class web_dev:  
       def syllabus(self):  
           print("This is my syllabus for the web dev")
```

```
[87]: def class_parcer(class_obj):  
       for i in class_obj:  
           i.syllabus()
```

```
[88]: data_science=data_science()
```

```
[89]: web_dev=web_dev()
```

```
[90]: class_obj=[data_science , web_dev]
```

```
[91]: class_parcer(class_obj)
```

```
This is my syllabus for the data science
```

```
This is my syllabus for the web dev
```

```
POLYMORPHSIMS - :
```

```
IN VERY SIMPLE TERMS " BASE FUNCTION " WILL BE SAME THERE IS NO CHANGE IN  
IT BUT IT WILL WORK DIFFERENT TASKS OR CHANGE HIS BEHAVIOUR ACCORDING  
TO DATA THAT WE PASS , LIKE A BOY WHO IS SOMEONES'S BROTHER , SOMEONE'S  
FRIEND , SOMEONE'S CHILD BUT IN THE END HE IS BOY BUT HIS ROLES AND DUTIES  
IS DIFFER FOR DIFFERENT RELATIONSHIPS
```