

Untitled

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1 POLYMORPHISM

1.0.1 a function which have multiple characteristics

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

```
[3]: test(9,3)
```

```
[3]: 12
```

```
[4]: test("Punith","Kumar")
```

```
[4]: 'PunithKumar'
```

```
[5]: test([2,4,5,6],[8,5,6,9])
```

```
[5]: [2, 4, 5, 6, 8, 5, 6, 9]
```

```
[6]: ### the property of polymorphism
```

```
[ ]:
```

```
[7]: class data_science:  
      def syllabus(self):  
          print("this is my method for data_science")
```

```
[8]: class web_dev:  
      def syllabus(self):  
          print("this is my method of web_dev")
```

```
[9]: ## seperate function (outside function)
```

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

```
[11]: obj_data_science = data_science()
```

```
[12]: obj_web_dev = web_dev()
```

```
[13]: class_obj =[obj_data_science,obj_web_dev]
```

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

```
    this is my method for data_science  
    this is my method of web_dev
```

```
[ ]:
```

```
[ ]:
```