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Inheritance

Topics

- Concept of Inheritance
- Implementation of Inheritance
- Types of Inheritance

Concept of Inheritance

- Inheritance allows us to define a class that inherits all the methods and properties from another class.

- Parent class is the class being inherited from, also called base class.

- Child class is the class that inherits from another class, also called derived class.
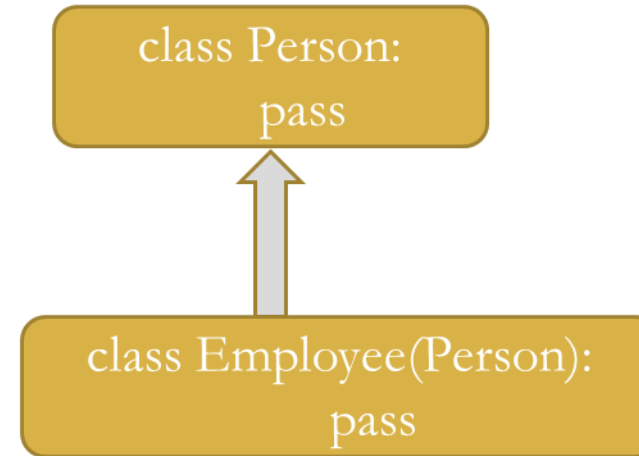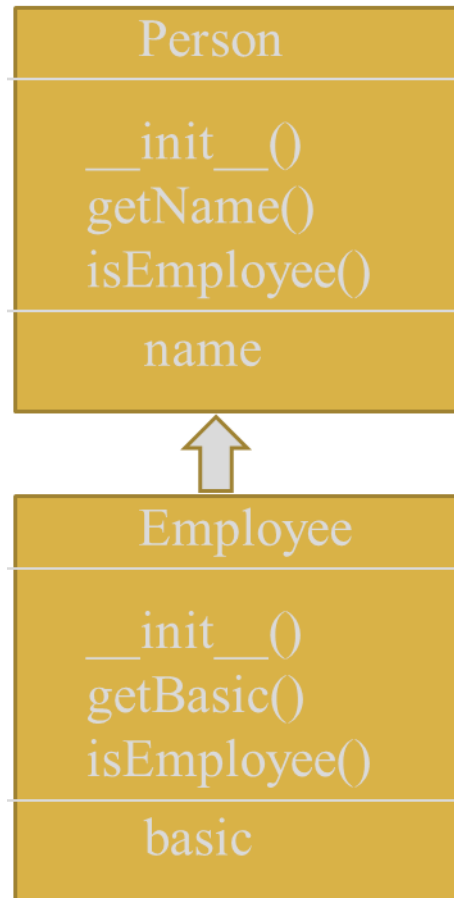
Concept of Inheritance

- It represents real-world relationships well. It provides reusability of a code. We don't have to write the same code again and again. Also, it allows us to add more features to a class without modifying it.

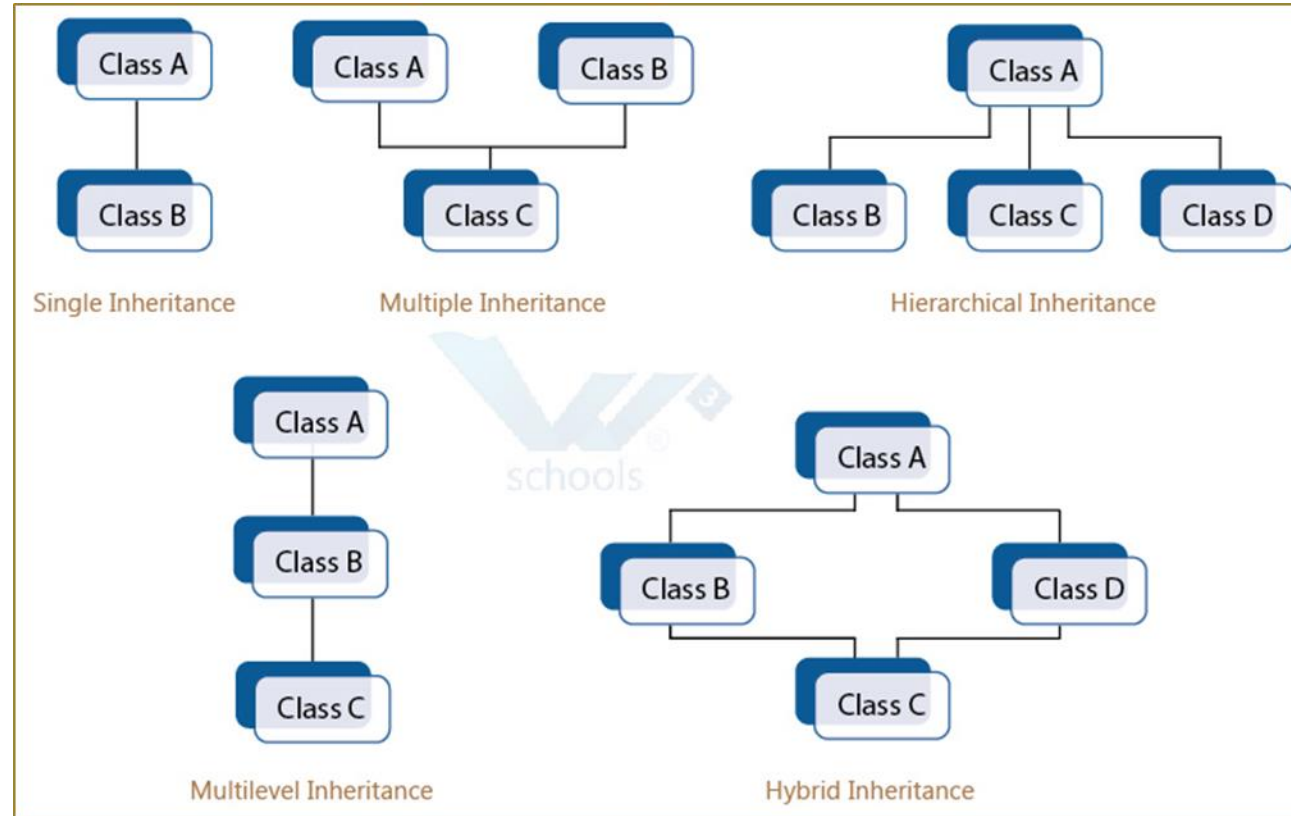# Concept of Inheritance

Implementation of Inheritance

```python
class Person:
    def __init__(self,name="abc"):
        self.name = name

    def getName(self):
        return self.name

    def isEmployee(self):
        return False
```

```python
class Employee(Person):
    def __init__(self,name,basic=1000):
        #Calling parent class constructor
        super().__init__(name)
        self.basic = basic

    def isEmployee(self):
        return True
```

```python
e1 = Employee("Dharika",25000)
print("Name = ",e1.getName())
print("Basic = ",e1.getName())
```

Types of Inheritance

Thank You