

#PROGRAM1 (BASICS)

```
class Employee:
```

```
def getEmployeeInfo(self):
```

```
self.id=input("Enter the id")
```

```
self.name=input("Enter a name")
```

```
def displayEmployeeInfo(self):
```

```
print("ID=",self.id,"\n Name=",self.name)
```

```
class Perks(Employee):
```

```
def getDetails(self):
```

```
self.getEmployeeInfo()
```

```
self.sal=int(input("Enter the salary:"))
```

```
def displayInfo(self):
```

```
print("salary=",self.sal)
```

```
p=Perks()
```

```
p.getEmployeeInfo()
```

```
p.displayInfo()
```

#PROGRAM2(CLASS AND OBJECT)

```
class Inventory:
```

```
def __init__(self, prodId, prodName, prodCount):
```

```
self.prodId = prodId
```

```
self.prodName = prodName
```

```
self.prodCount = prodCount
```

```
self.display()
```

```
def display(self):
```

```
print(f"prodId={self.prodId}")
```

```
print(f"prodName={self.prodName}")
```

```
print(f"prodCount={self.prodCount}")

i = Inventory("Engine", "Motor", 34)

i.display()

#PROGRAM 3 (SINGLE INHERTAINCE)

class Inventory:

    def __init__(self, prodId, prodName, prodCount):

        self.prodId = prodId

        self.prodName = prodName

        self.prodCount = prodCount

    def display(self):

        print(f"prodId={self.prodId}")

        print(f"prodName={self.prodName}")

        print(f"prodCount={self.prodCount}")

    class ProductDetails(Inventory):

        def __init__(self, prodId, prodName, prodCount, prodPrice):

            super().__init__(prodId, prodName, prodCount)

            self.prodPrice = prodPrice

        def display(self):

            super().display()

            print(f"prodPrice={self.prodPrice}")

        product = ProductDetails("Engine", "Motor", 34, 50000)

        product.display()
```