



Output:

DURGASOFT

Durga

In the above example without existing Student object there is no chance of existing his name. Hence Student Object and his name are strongly associated which is nothing but Composition.

But without existing Student object there may be a chance of existing collegeName. Hence Student object and collegeName are weakly associated which is nothing but Aggregation.

Conclusion:

The relation between object and its instance variables is always Composition where as the relation between object and static variables is Aggregation.

Note: Whenever we are creating child class object then child class constructor will be executed. If the child class does not contain constructor then parent class constructor will be executed, but parent object won't be created.

Eg:

```
1) class P:  
2)     def __init__(self):  
3)         print(id(self))  
4) class C(P):  
5)     pass  
6) c=C()  
7) print(id(c))
```

Output:

6207088

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Eg:

```
1) class Person:  
2)     def __init__(self,name,age):  
3)         self.name=name  
4)         self.age=age  
5) class Student(Person):  
6)     def __init__(self,name,age,rollno,marks):  
7)         super().__init__(name,age)  
8)         self.rollno=rollno  
9)         self.marks=marks  
10)    def __str__(self):  
11)        return 'Name={}\nAge={}\nRollno={}\nMarks={}'.format(self.name,self.age,self.rollno  
        ,self.marks)  
12) s1=Student('durga',48,101,90)  
13) print(s1)
```