'''

Q.Create a class Student with attributes pin, name and behaviour display_details ,create 3 objects and call display_details

```
class Student:
    def __init__(self, name,pin,behaviour):
        self.pin = pin
        self.name = name
        self.behaviour=behaviour
    def display(self):
        print("Pin: %d \nName: %s \nBehaviour:%s" % (self.pin, self.name,self.behaviour))

s1 = Student("Nagendra", 55,'good')
s2 = Student("Jaggu", 58,'average')
s3 = Student("sandeep", 56,'bad')

s1.display()
s2.display()
s3.display()
```

output:

```
    Pin: 55
Name: Nagendra
Behaviour:good
Pin: 58
Name: Jaggu
Behaviour:average
Pin: 56
Name: sandeep
Behaviour:bad
'''
```

'''

Q.Create a class Player and derive 2 classes Batsman and Bowler with methods runs_ scored and wickets_taken and an overridden method rating.

```
class Player:
    x = 0
    def _init_(self,name):
        self.name=name
        print(f"{self.name} joined")
    def played_count(self) :
        self.x = self.x + 1
        print(f'Played count of {self.name} is {self.x}')
    def rating(self):
        if self.wic>3:
            print('Rating:5')
        if self.runs>50:
            print('Rating:5')



class Batsman(Player):
    runs = 0
    def score(self,s):
        self.runs = self.runs + s
        self.played_count()
        print(self.name,"score:",self.runs)
    def rating(self):
        if self.runs>90:
            print('Rating:9')
        else:
            print('Rating:8')
class Bowler(Batsman):
```

```
    wic=0
    def wickets(self,w):
        self.wic=self.wic+w
        print(self.name,"wickets:",self.wic)
    def rating(self):
        if self.wic>8:
            print('Rating:9')
        else:
            print('Rating:8')
s = Player("Dhoni")
s.played_count()
j = Batsman("Virat")
j.score(50)
j.score(40)
j.rating()

w = Player("Bumrah")
s.played_count()
i = Bowler("bhuvi")
i.wickets(5)
i.wickets(3)
i.rating()
```

output:

```
Dhoni joined
Played count of Dhoni is 1
Virat joined
Played count of Virat is 1
Virat score: 50
Played count of Virat is 2
Virat score: 90
```

```
Rating:8
Bumrah joined
Played count of Dhoni is 2
bhuvi joined
bhuvi wickets: 5
bhuvi wickets: 8
'''



'''
Q.Create a class with all types of variables public,private and protected


class Employee:
    no_of_leaves = 8
    var = 8
    _protec = 9
    __pr = 98

    def __init__(self, aname, asalary, arole):
        self.name = aname
        self.salary = asalary
        self.role = arole

    def printdetails(self):
        return f"The Name is {self.name}. Salary is {self.salary} and role is {self.role}"

    @classmethod
    def change_leaves(cls, newleaves):
        cls.no_of_leaves = newleaves

    @classmethod
```

```
    def from_dash(cls, string):
        return cls(*string.split("-"))

    @staticmethod
    def printgood(string):
        print("This is good " + string)

emp = Employee("harry", 343, "Programmer")
print(emp._Employee__pr)

output:
    98
    '''
```