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In [1]: #Sihab Sahariar
        #ID-20101402
        #Section- 18
        #Faculty- Salman Sayeed Khan
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In [27]: #Question1
dct={}
ls2=[]
stn=input()
l=stn.split(",")
for i in range(len(l)):
    t=str(l[i])
    lst1=t.split(":")
    dct[lst1[0]]=int(lst1[1])
lst=[]
for k,v in dct.items():
    if k not in lst:
        lst.append(k)
        for key,value in dct.items():
            if key>k and (v+value)//2>=90:
                print(str(k)+str(key))
```

A:87,B:93,C:90,D:84,E:89

AB

BC

BE

```

In [15]: #Question2
class Patient:
    count = 0
    def __init__(self, name="", age=0):
        self.name = name
        self.age = age

    def add_Symptom(self, prob1, prob2):
        self.prob1 = prob1
        self.prob2 = prob2

    def printPatientDetail(self):
        print(f"Name: {self.name}\nAge: {self.age}\nSymptoms: {self.prob1}, {s
elf.prob2}")
        Patient.count += 1

print('Total Patient:', Patient.count)
p1 = Patient('Thomas', 23)
p1.add_Symptom('Fever', 'Headache')
p2 = Patient('Carol', 20)
p2.add_Symptom('Vomiting', 'Coughing')
p3 = Patient('Mike', 25)
p3.add_Symptom('Fever', 'Coughing')
print("=====")
p1.printPatientDetail()
print("=====")
p2.printPatientDetail()
print("=====")
p3.printPatientDetail()
print("=====")
print('Total Patient:', Patient.count)

```

```

Total Patient: 0
=====
Name: Thomas
Age: 23
Symptoms: Fever, Headache
=====
Name: Carol
Age: 20
Symptoms: Vomiting, Coughing
=====
Name: Mike
Age: 25
Symptoms: Fever, Coughing
=====
Total Patient: 3

```

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In [16]: #Question3
class Team:
    def __init__(self, name):
        self.name = name
        self.total_player = 5
    def info(self):
        print("We love sports")
# Write your code here.
class FootballTeam(Team):
    def __init__(self, name):
        super().__init__(name)
        self.total_player = 11
    def info(self):
        print(f"Our name is {self.name}\nWe play Football")
        super().info()
class CricketTeam(Team):
    def __init__(self, name):
        super().__init__(name)
        self.total_player = 11
    def info(self):
        print(f"Our name is {self.name}\nWe play Cricket")
        super().info()

class Team_test:
    def check(self, tm):
        print("=====")
        print('Total Player:', tm.total_player)
        tm.info()

f = FootballTeam('Brazil')
c = CricketTeam('Bangladesh')
test = Team_test()
test.check(f)
test.check(c)
```

```
=====
Total Player: 11
Our name is Brazil
We play Football
We love sports
=====
Total Player: 11
Our name is Bangladesh
We play Cricket
We love sports
```