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In [1]: #task-1
My_dict={'A':87, 'B':93, 'C':90, 'D':84, 'E':89}
l=set()
for a,b in My_dict.items():
    for x,y in My_dict.items():
        temp1=x+a
        if temp1 in l:
            continue
        if a==x:
            continue
        elif ((b+y)/2) >=90:
            temp2=a+x
            print(temp2)
            l.add(temp2)

AB
BC
BE
```

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In [2]: #task-2
class Patient:
    count = 0
    def __init__(self,a,b):
        self.a = a
        self.b = b
        Patient.count +=1
    def add_Symptom(self,c,d):
        self.c = c
        self.d = d

    def printPatientDetail(self):
        print("Name:",self.a)
        print("Age:",self.b)
        print("Symptoms:",self.c+",",self.d)

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 [3]: #task-3
class Team:
    def __init__(self, name):
        self.name = name
        self.total_player = 5
    def info(self):
        print("We love sports")

class FootballTeam(Team):
    def __init__(self, a):
        self.a = a
        self.total_player = f"11\nOur name is {self.a}\nWe play Football"

class CricketTeam(Team):
    def __init__(self, a):
        self.a = a
        self.total_player = f"11\nOur name is {self.a}\nWe play Cricket"

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
```

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In [ ]: 
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