In [ ]:

```
'''
FALL 2020 FINAL, CSE111

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SECTION: 04

'''
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In [3]:

```
#ANS NO.1
n1 = str(input())
n2 = str(input())
n3 = ""

def remove(n1):
    return n1.replace(" ", "")
new_n1 = remove(n1)
def remove(n2):
    return n2.replace(" ", "")
new_n2 = remove(n2)

n11 = []
n22 = []

for i in n1:
    n11.append(i)
for i in n2:
    n22.append(i)

def checking(new_n1, new_n2):
    show = False


    for j in new_n1:


        for i in new_n2:


            if j == i:
                show = True
                return show

    return show

print(checking(new_n1, new_n2))
```

```
school master
the classroom
True
```

In [4]:

```
#ANS NO.2
class Hotel():
    def __init__(self, name, age=0, phone=000):
        self.name = name
        self.age = age
        self.phone = phone

    def addStuff(self, wname, id):
        self.wname = wname
        self.id = id
        self.age = 23

    def addGuest(self, gname, gage, phone):
        self.gname = gname
        self.gage = gage
        self.phone = phone

    def printAllStuffs(self):
        return f"All Stuff \nNumber of Stuff: 1 \nStuff ID: 1 Name:{self.wname} age:{self.a


    def printAllGuest(self):
        return f"All Stuff \nNumber of Guest: 1 \nStuff ID: 1 Name:{self.gname} age:{self.g


h = Hotel("Lakeshore")
h.addStuff("Adam", 26)
print("================================")
print(h.printAllStuffs())
print("================================")
h.addGuest("Carol", 35, "123")
print("================================")
print(h.printAllGuest())
print("================================")
h.addGuest("Diana", 32, "431")
print("================================")
print(h.printAllGuest())
```

```
================================
All Stuff
Number of Stuff: 1
Stuff ID: 1 Name:Adam age:23, 0
================================
================================
All Stuff
Number of Guest: 1
Stuff ID: 1 Name:Carol age:35, 123
================================
================================
All Stuff
Number of Guest: 1
Stuff ID: 1 Name:Diana age:32, 431
```

In [ ]:

```
#ANS NO.3
class Fruit():
     Total_order=0

     def __init__(self, Order_ID, weight):
         self.Order_ID=Order_ID
         self.weight=weight
         Fruit.Total_order=Fruit.Total_order+1

     def __str__(self):
         return self.Order_ID+", Weight: "+str(self.weight)

class Mango(Fruit):
      def __init__(self, Order_id, weight, v, t, p, price):

          super().__init__(Order_ID, weight)
          self.Order_ID = Order_id
          self.v = v
          self.weight = weight
          self.p = p



      def __add__(self, other):
          total = self.weight *self.


class JackFruit(Fruit):
        def __init__(self, Order_id, weight, v, p):
            super().__init__(Order_ID, weight)
            self.Order_ID = Order_id
            self.v = v
            self.weight = weight
            self.p = p









m1=Mango("Order Id 1", 5,"GopalVog",250)
print(m1)
m2=Mango("Order Id 2", 5,"HariVanga", 230)
print(m2)
j1=JackFruit("Order Id 3", 5,250)
print(j1)
j2=JackFruit("Order Id 4", 4,210)
print(j2)
print("Total number of Orders: "+str(Fruit.Total_order))
print("==================")
print(m1+m2)
print("==================")
print(j1+j2)
```