Write a script by extending the built-in class list to calculate the Points based on the online purchase.

Fill the shopping cart with items, and if the purchase is more than 500!! Win 5 points.

Sample Input:

Cart('Dress',2000)

Sample Output:

Items in Cart {'item': 'Dress', 'price': 2000}

Won 5 Points

Sample Input:

Cart('Dress',450)

Sample Output:

Items in Cart {'item': 'Dress', 'price': 450}

Total price is less than 500

Solution:

class Stock(list):

def display\_all\_stocks(self):

for i in self:

i.display()

def calc(self,price):

for i in self:

if i.price >=500:

return "Won 5 Points"

else:

return "Total price is less than 500"

class Cart:

all\_stocks = Stock()

def \_\_init\_\_(self,item,price):

self.item = item

self.price = price

Cart.all\_stocks.append(self)

def display(self):

print("Items in Cart",self.\_\_dict\_\_)

c1 = Cart('Dress',200)

Cart.all\_stocks.display\_all\_stocks()

print(Cart.all\_stocks.calc(500))

Output:

Sample Input:

Cart('Dress',2000)

Sample Output:

Items in Cart {'item': 'Dress', 'price': 2000}

Won 5 Points

Sample Input:

Cart('Dress',450)

Sample Output:

Items in Cart {'item': 'Dress', 'price': 450}

Total price is less than 500

Write a script by extending the built-in class list to search the student details is present in the File or not.

Sample Input:

Attendace('Raj','CSE')

Attendace('Jhon','EC')

Sample Output:

Students Record {'name': 'Raj', 'branch': 'CSE'}

Students Record {'name': 'Jhon', 'branch': 'EC'}

Student Found

**Solution:**

class Students\_File(list):

def display\_std\_details(self):

for i in self:

i.display()

def search(self,name):

for i in self:

if i.name == name:

return "Student Found"

else:

return "Student Not Found"

class Attendace:

all\_details = Students\_File()

def \_\_init\_\_(self,name,branch):

self.name = name

self.branch = branch

Attendace.all\_details.append(self)

def display(self):

print("Students Record",self.\_\_dict\_\_)

c1 = Attendace('Raj','CSE')

c2 = Attendace('Jhon','EC')

Attendace.all\_details.display\_std\_details()

print(Attendace.all\_details.search("Raj"))

Output:

Students Record {'name': 'Raj', 'branch': 'CSE'}

Students Record {'name': 'Jhon', 'branch': 'EC'}

Student Found