**#6. Operations with Excel file using Python**

**Roll Number:**

**Date of Submission:**

**Aim:**

To perform following operations on an excel file (“inventory.xlsx”) using Python:

1. List each company with respective product count
2. List products with inventory less than 10
3. List each company with respective total inventory value
4. Write to Spreadsheet: Calculate and write inventory value for each product into spreadsheet

**Tools Required:**

Text editor with Python interpreter.

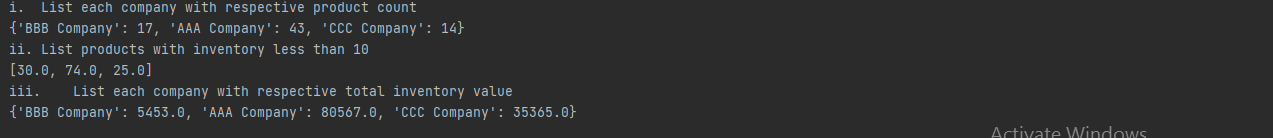
**Experiment:**

Code:

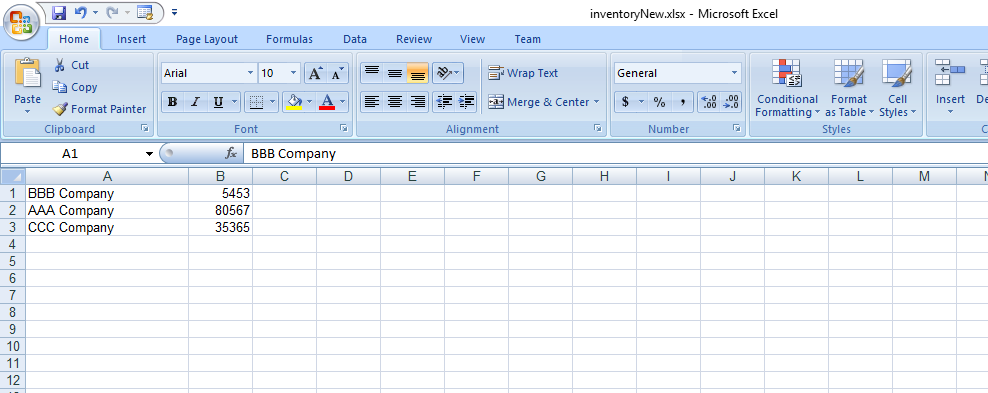
import openpyxl  
  
wb = openpyxl.load\_workbook('inventory.xlsx')  
a = {}  
sheet1 = wb["Sheet1"]  
  
totalRows=sheet1.max\_row  
supplier = []  
for i in range(2,totalRows+1):  
 supplier.append(sheet1.cell(row=i,column=4).value)  
supplier=[\*set(supplier)]  
InventoryValue={}  
productCount={}  
productList=[]  
for supp in supplier:  
 InventoryValue[supp] = 0  
 productCount[supp]=0  
 for i in range(2, totalRows+1):  
 if supp == sheet1.cell(row=i,column=4).value:  
 InventoryValue[supp] = InventoryValue[supp]+sheet1.cell(row=i,column=2).value  
 productCount[supp] = productCount[supp]+1  
 if(sheet1.cell(row=i,column=2).value<10):  
 productList.append(sheet1.cell(row=i,column=1).value)  
print(supplier)  
print(InventoryValue)  
print(productCount)  
print(productList)  
sheet2 = wb.create\_sheet(index=1,title="sheet2")  
i=0  
j=0  
for supp in supplier:  
 i=i+1  
 cellValue = sheet2.cell(row=i,column=1)  
 cellValue.value = supp  
 cellValue = sheet2.cell(row=i, column=2)  
 cellValue.value = InventoryValue[supp]  
wb.save('inventoryNew.xlsx')

**Result:**

**Results to I to III**



**Write to Spreadsheet: Calculate and write inventory value for each product into spreadsheet**



**Inference and Result:**

Thus, have implemented the operations with excel and able to read data from excel and write value to the excel.