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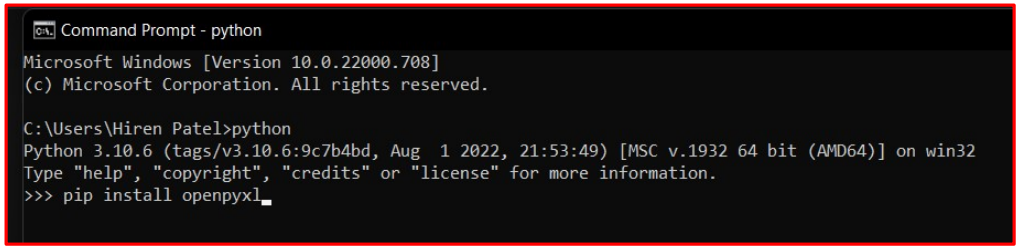

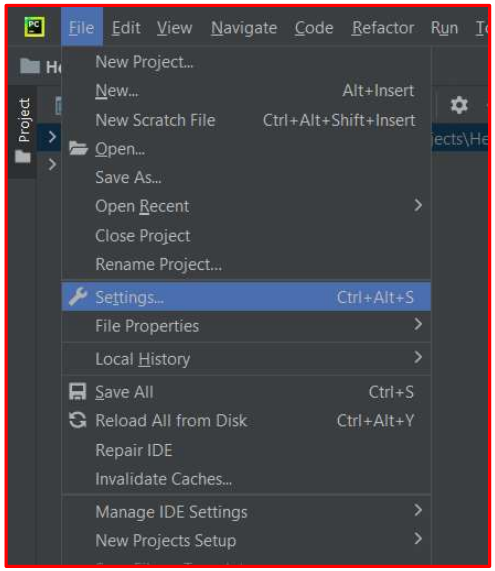

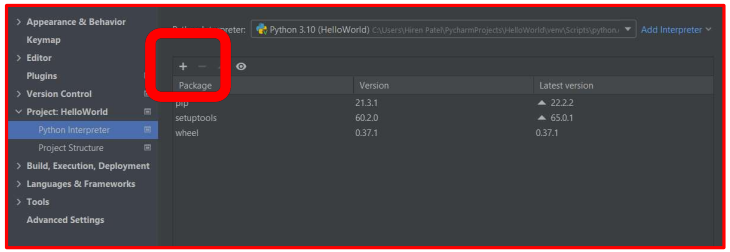

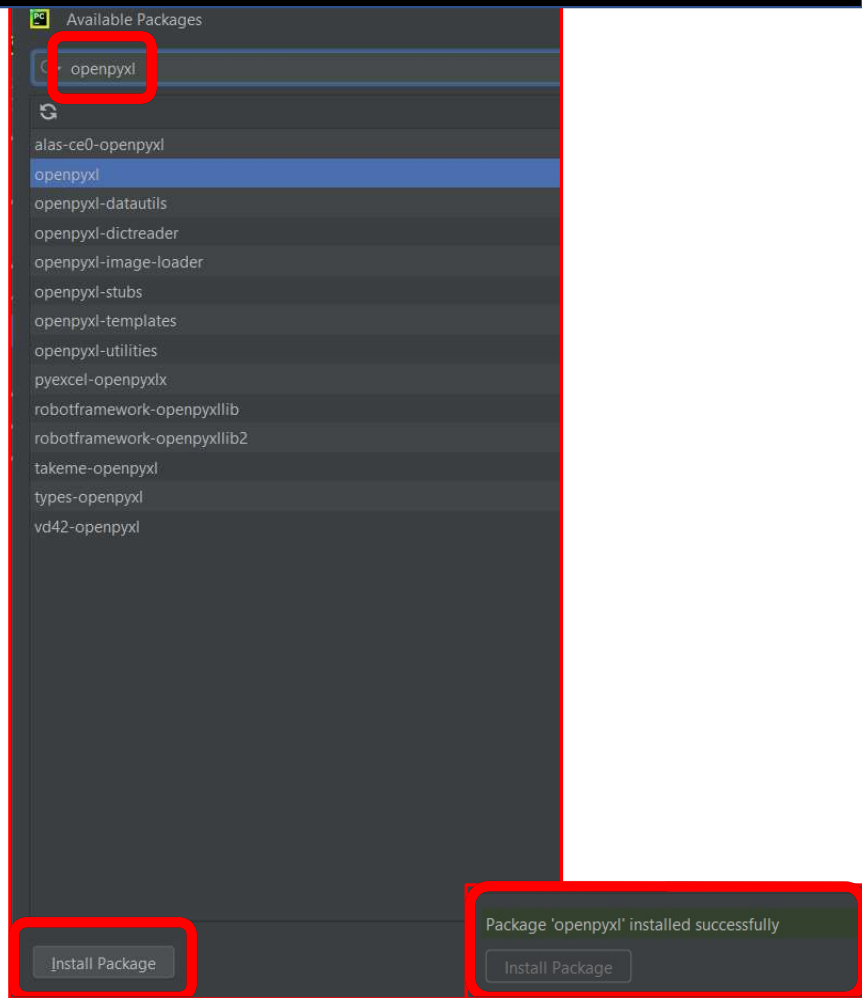

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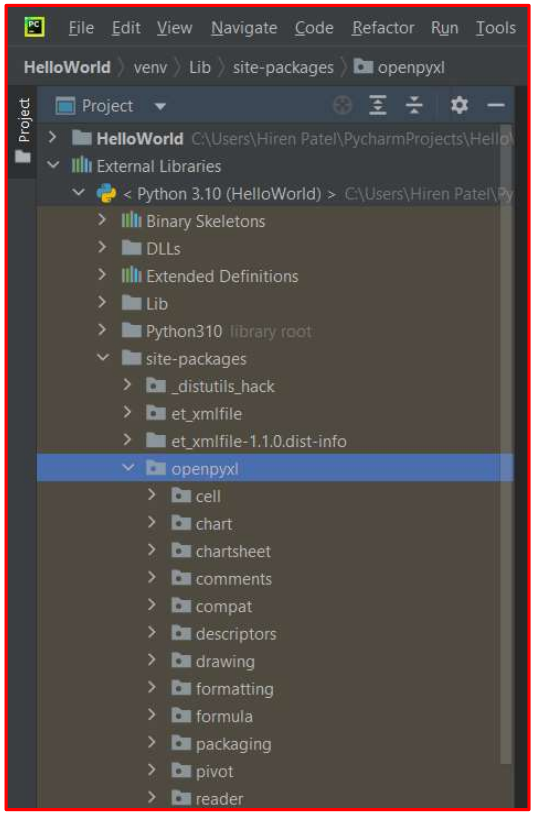
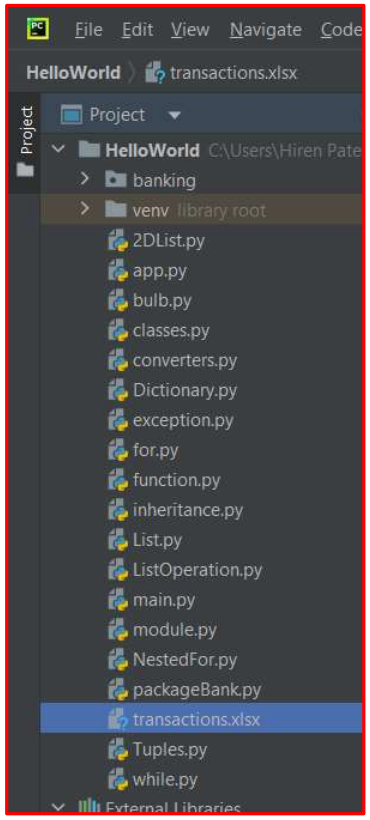




	A	B	C
1	transaction_ic	product_id	price
2	1001	1	$5.95
3	1002	2	$6.95
4	1003	3	$7.95
5			
6			

Download the file https://github.com/RagingLeviathan/HelloWorld-mosh-python/raw/master/transactions.xlsx and copy it in C:\Users\Hiren Patel\PycharmProjects\HelloWorld

```
import openpyxl as xl
wb =
xl.load_workbook('transactions.xlsx')
sheet = wb['Sheet1']
# First Way
cell = sheet['a1']
# Another Way
cell = sheet.cell(1, 1)
print(cell.value)
```

	A	B	C
1	transaction_ic	product_id	price
2	1001	1	$5.95
3	1002	2	$6.95
4	1003	3	$7.95
5			
6			

```
transaction_id
```

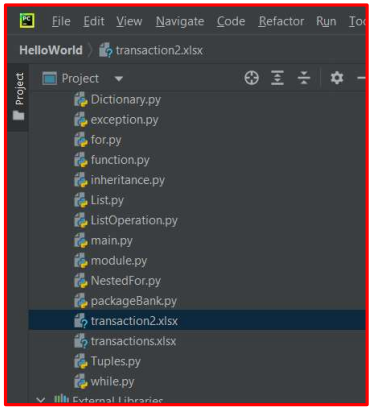
```
import openpyxl as xl
wb = xl.load_workbook('transactions.xlsx')
sheet = wb['Sheet1']
# First Way
cell = sheet['a1']
# Another Way
cell = sheet.cell(1, 1)
print(sheet.max_row)
for row in range(1, sheet.max_row+1):
    print(row)

for row in range(2, sheet.max_row+1):
    cell = sheet.cell(row, 3)
    print(cell.value)

for row in range(2, sheet.max_row+1):
    cell = sheet.cell(row, 3)
    corrected_price = cell.value * 0.9
    corrected_price_cell = sheet.cell(row, 4)
    corrected_price_cell.value = corrected_price

wb.save('transaction2.xlsx')
```

```
4
1
2
3
4
5.95
6.95
7.95
```



	A	B	C	D
1	transaction_id	product_id	price	
2	1001	1	$5.95	5.355
3	1002	2	$6.95	6.255
4	1003	3	$7.95	7.155
5				

openpyxl library

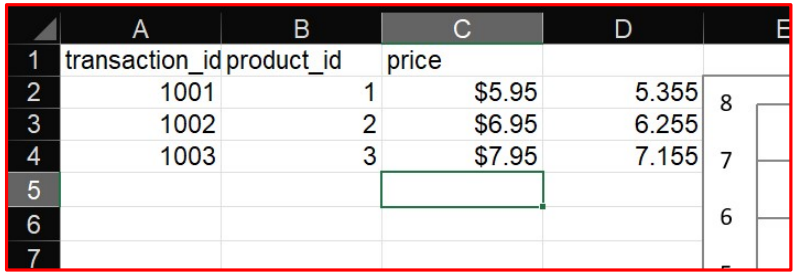

```
import openpyxl as xl
from openpyxl.chart import BarChart, Reference

wb = xl.load_workbook('transactions.xlsx')
sheet = wb['Sheet1']
cell = sheet['a1']

for row in range(2, sheet.max_row+1):
    cell = sheet.cell(row, 3)
    corrected_price = cell.value * 0.9
    corrected_price_cell = sheet.cell(row, 4)
    corrected_price_cell.value = corrected_price

values = Reference(sheet,
          min_row=2,
          max_row=sheet.max_row,
          min_col=4,
          max_col=4)
chart = BarChart()
chart.add_data(values)
sheet.add_chart(chart, 'e2')

wb.save('transaction2.xlsx')
```



	A	B	C	D
1	transaction_id	product_id	price	
2	1001	1	$5.95	5.355
3	1002	2	$6.95	6.255
4	1003	3	$7.95	7.155
5				
6				
7