

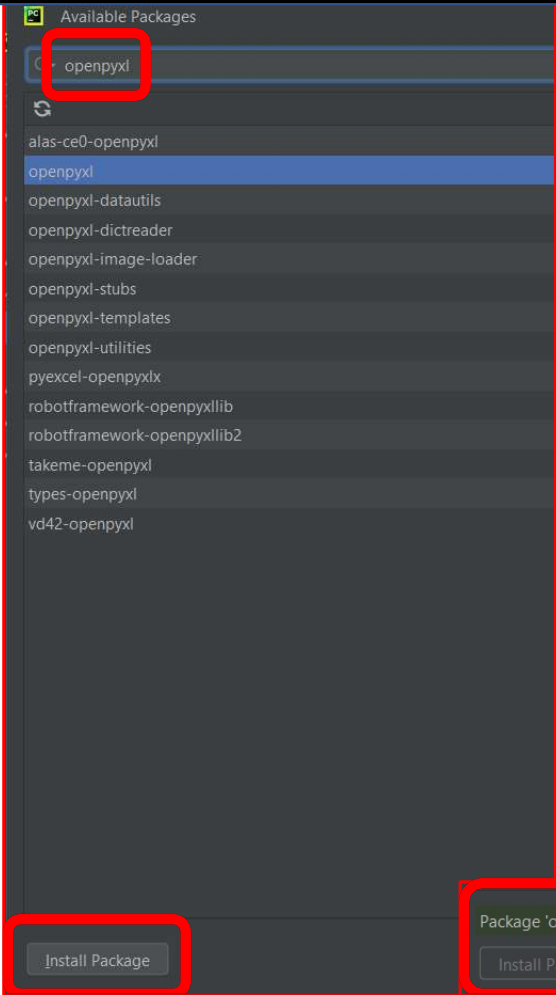
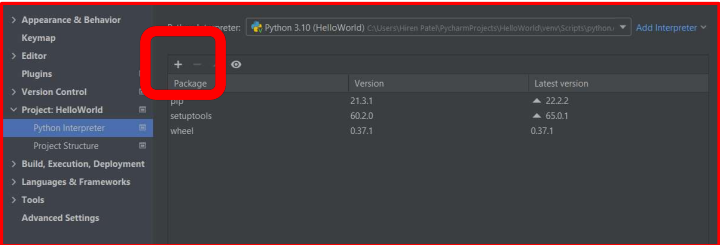
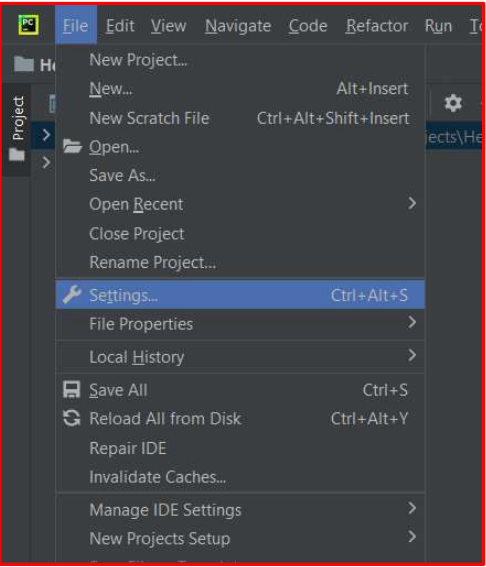


openpyxl library

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```
Command Prompt - python
Microsoft Windows [Version 10.0.22000.708]
(c) Microsoft Corporation. All rights reserved.

C:\Users\Hiren Patel>python
Python 3.10.6 (tags/v3.10.6:9c7b4bd, Aug 1 2022, 21:53:49) [MSC v.1932 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license" for more information.
>>> pip install openpyxl
```

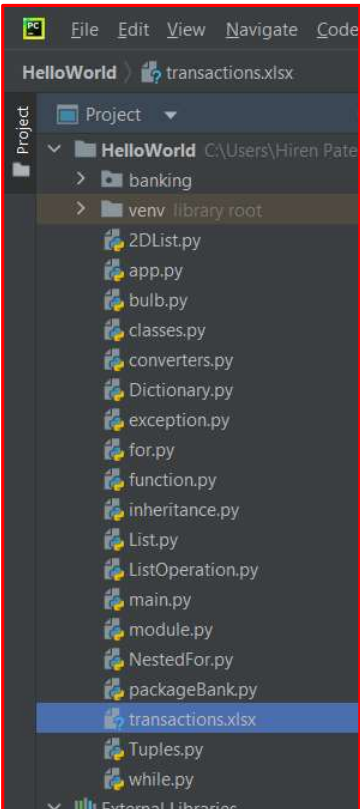
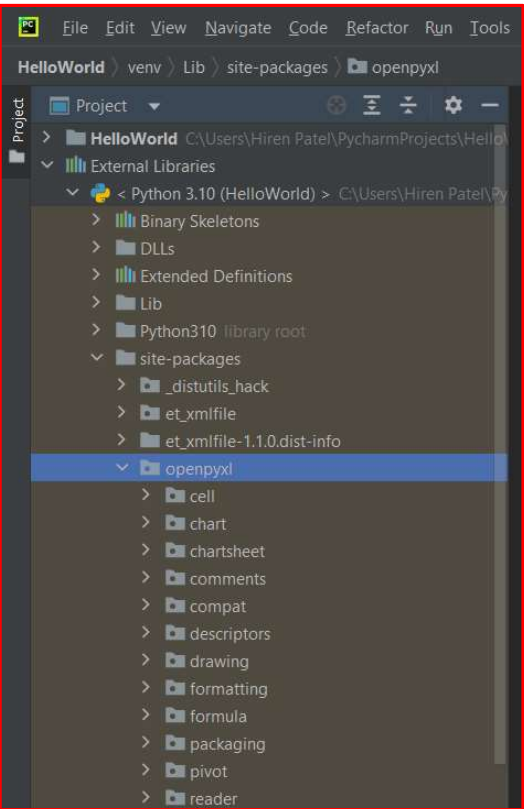


Package 'openpyxl' installed successfully



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

transaction_id

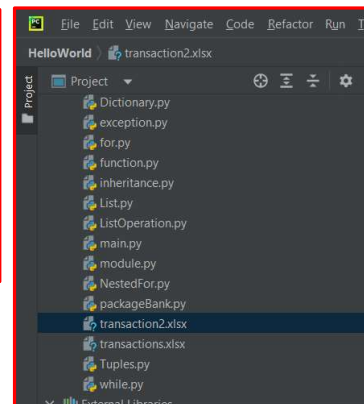
```
import openpyxl as xl
wb = xl.load_workbook('transactions.xlsx')
sheet = wb['Sheet1']
# First Way
cell = sheet['a1']
# Another Way
cell = sheet.cell(1, 1)
print(sheet.max_row)
for row in range(1, sheet.max_row+1):
    print(row)

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					



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```
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	E
1	transaction_id	product_id	price		
2	1001	1	\$5.95	5.355	8
3	1002	2	\$6.95	6.255	
4	1003	3	\$7.95	7.155	7
5					
6					6
7					

