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**Internship Domain : Python Development**

**Task Week : 6**

**Instructor Name : Hassan Ali**

**WEEK 6:**

**📊 Task 1**

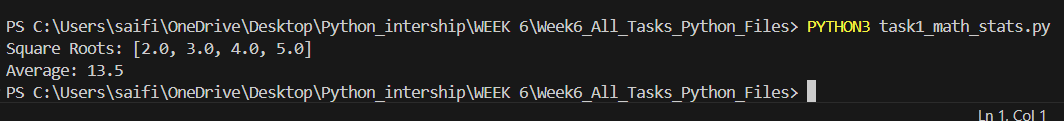
**Description:**

Use math and statistics libraries to calculate the square root of a list of marks and find the average.

**Solution:**

***import math  
import statistics  
  
marks = [65, 78, 90, 88]  
sqrt\_marks = [math.sqrt(m) for m in marks]  
avg = statistics.mean(marks)  
  
print("Square Roots:", sqrt\_marks)  
print("Average:", avg)***

**Output:**

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**📁 Task 2**

**Description:**

Create a custom Python module and import it in another script to display a greeting.

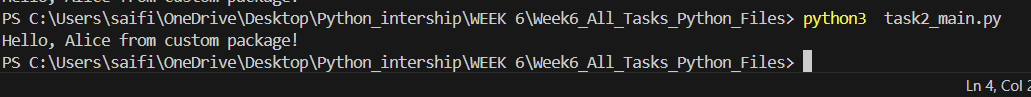
**Solution:**

***import custom\_package.module as mod  
  
mod.greet("Saif Ullah Awan")***

**Custom Module (module.py):**

***def greet(name):  
 print(f"Hello, {name}! Welcome to Python scripting.")***

**Output:**



**📃 Task 3**

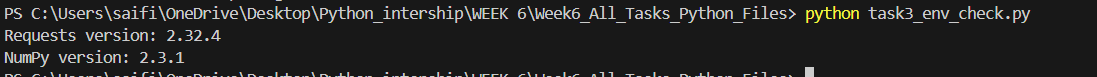
**Description:**

Create a Python script to print the versions of the 'requests' and 'numpy' libraries.

**Solution:**

***import requests  
import numpy  
  
print("Requests version:", requests.\_\_version\_\_)  
print("NumPy version:", numpy.\_\_version\_\_)***

**Output:**

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**🔢 Task 4**

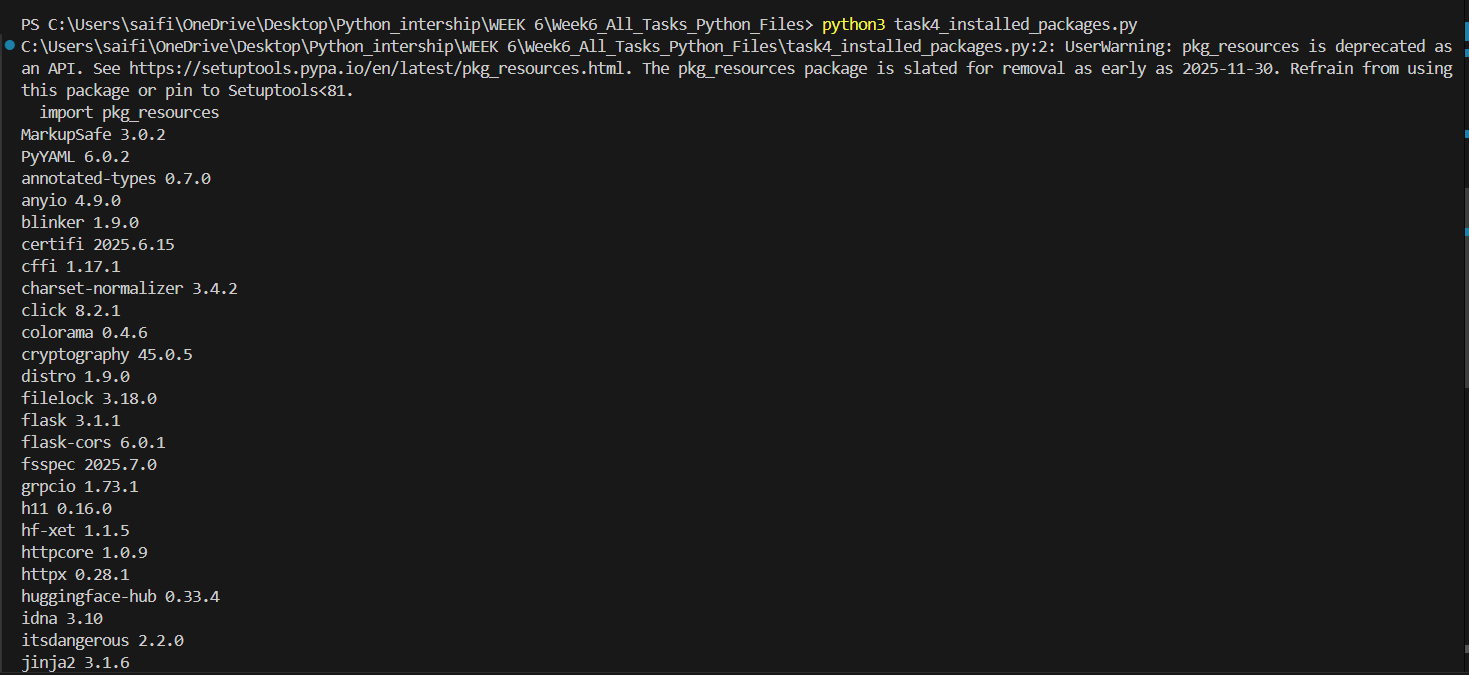
**Description:**

List all the currently installed pip packages using Python.

**Solution:**

***import pkg\_resources  
  
for dist in pkg\_resources.working\_set:  
 print(dist.project\_name, dist.version)***

**Output:**

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**A screen shot of a computer

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