Assignment 6.2

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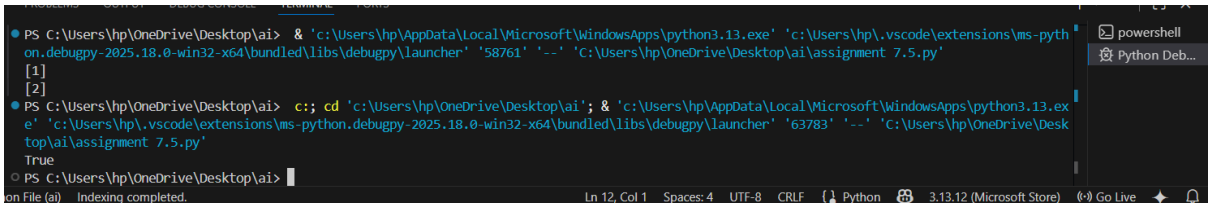
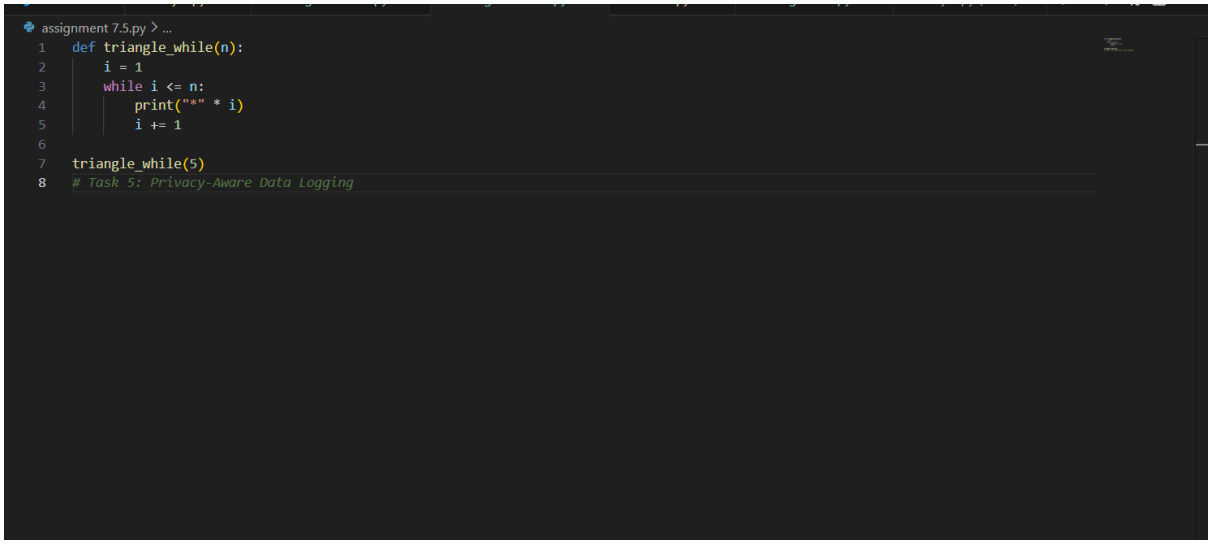
Batch - 03

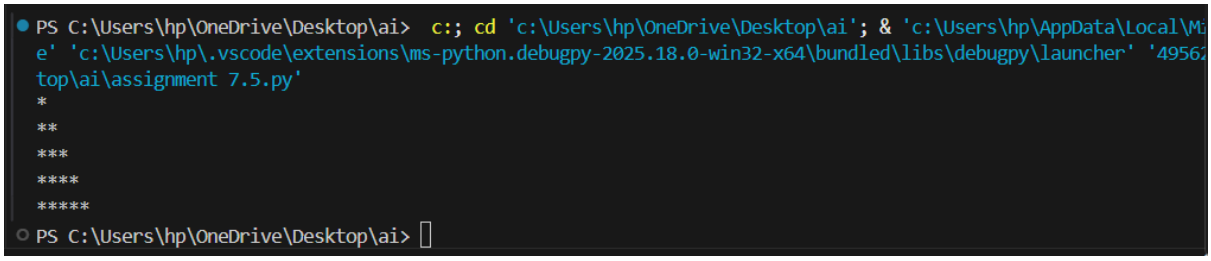
AI Assisted Coding

```python
class Student:
    def __init__(self, name, roll_no, marks):
        self.name = name
        self.roll_no = roll_no
        self.marks = marks

    def is_pass(self):
        return self.marks >= 40


s1 = Student("rithika", 1190, 65)
print(s1.is_pass())
```



Task 2





Task 3

```python
def check_number(num):
    if num > 0:
        return "Positive"
    elif num < 0:
        return "Negative"
    else:
        return "Zero"

print(check_number(10))
print(check_number(-5))
print(check_number(0))
```

```
PS C:\Users\hp\OneDrive\Desktop\ai>  c:; cd 'c:\Users\hp\OneDrive\Desktop\ai'; & 'c:\Users\hp\AppData\Local\M
e' 'c:\Users\hp\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '5394
top\ai\assignment 7.5.py'
Positive
Negative
Zero
PS C:\Users\hp\OneDrive\Desktop\ai>
```

Task 4:

```python
def check_discount(age, is_member):
    if age >= 60:
        if is_member:
            return "Senior + Member Discount"
        else:
            return "Senior Discount"
    else:
        if is_member:
            return "Member Discount"
        else:
            return "No Discount"

print(check_discount(65, True))
print(check_discount(30, False))
# Task 5: Privacy-Aware Data Logging
```

```
PS C:\Users\hp\OneDrive\Desktop\ai>  c:; cd 'c:\Users\hp\OneDrive\Desktop\ai'; & 'c:\Users\hp\AppData\Local\Microsoft\WindowsApps\python3.13.ex
e' 'c:\Users\hp\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '56979' '--' 'C:\Users\hp\OneDrive\Desk
top\ai\assignment 7.5.py'
Senior + Member Discount
No Discount
PS C:\Users\hp\OneDrive\Desktop\ai>
```

Task 5

assignment 7.5.py > ...

```python
import math

class Circle:
    def __init__(self, radius):
        self.radius = radius

    def area(self):
        return math.pi * self.radius * self.radius

    def circumference(self):
        return 2 * math.pi * self.radius

c = Circle(7)
print(c.area())
print(c.circumference())
# Task 5: Privacy-Aware Data Logging
```

```
PS C:\Users\hp\OneDrive\Desktop\ai>  c:; cd 'c:\Users\hp\OneDrive\Desktop\ai'; & 'c:\Users\hp\AppData\Local\Microsoft\WindowsApps\python3.13.exe' 'c:\Users\hp\.vscode\extensions\ms-python.debugpy-2025.18.0-win32-x64\bundled\libs\debugpy\launcher' '59204' '--' 'C:\Users\hp\OneDrive\Desktop\ai\assignment 7.5.py'
153.93804002589985
43.98229715025704
PS C:\Users\hp\OneDrive\Desktop\ai>
```

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