

Assignment 6.2

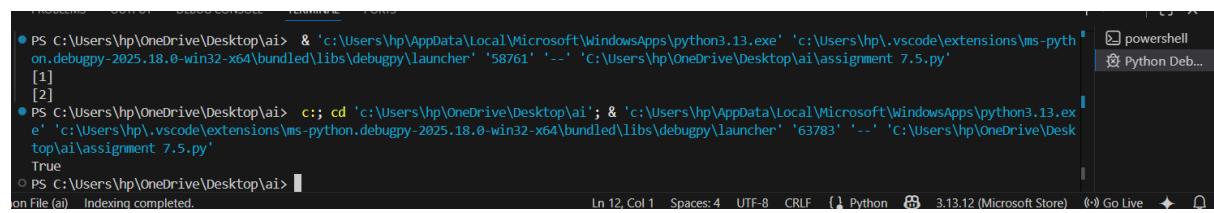
Name:Gampa Rithika

Roll Number: 2303A51190

Batch - 03

AI Assisted Coding

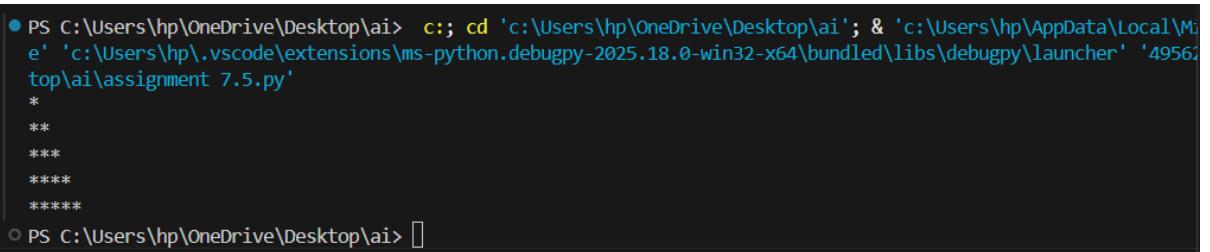
```
class Student:  
    def __init__(self, name, roll_no, marks):  
        self.name = name  
        self.roll_no = roll_no  
        self.marks = marks  
  
    def is_pass(self):  
        return self.marks >= 40  
  
s1 = Student("rithika", 1190, 65)  
print(s1.is_pass())
```



```
PS 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' '58761' '--' 'C:\Users\hp\OneDrive\Desktop\ai\assignment 7.5.py'  
[1]  
[2]  
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' '63783' '--' 'C:\Users\hp\OneDrive\Desktop\ai\assignment 7.5.py'  
True  
PS C:\Users\hp\OneDrive\Desktop\ai> [ ]  
File (a) Indexing completed.
```

Task 2

```
* assignment 7.5.py > ...  
1  def triangle_while(n):  
2      i = 1  
3      while i <= n:  
4          print("*" * i)  
5          i += 1  
6  
7  triangle_while(5)  
8  # 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' '49562' '--' 'C:\Users\hp\OneDrive\Desktop\ai\assignment 7.5.py'  
*  
**  
***  
****  
*****  
PS C:\Users\hp\OneDrive\Desktop\ai> [ ]
```

Task 3

```
assignment 7.5.py > ...
1 def check_number(num):
2     if num > 0:
3         return "Positive"
4     elif num < 0:
5         return "Negative"
6     else:
7         return "Zero"
8
9 print(check_number(10))
10 print(check_number(-5))
11 print(check_number(0))
```

```
● PS C:\Users\hp\OneDrive\Desktop\ai> c;; cd 'c:\Users\hp\OneDrive\Desktop\ai'; & 'c:\Users\hp\AppData\Local\Microsoft\WindowsApps\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> []
File (ai) — Indexing completed
```

In 12 Col 1 Spaces: 4 UFT-8 CR/LF

Task 4:

```
assignment 7.5.py > ...
1 def check_discount(age, is_member):
2     if age >= 60:
3         if is_member:
4             return "Senior + Member Discount"
5         else:
6             return "Senior Discount"
7     else:
8         if is_member:
9             return "Member Discount"
10        else:
11            return "No Discount"
12
13 print(check_discount(65, True))
14 print(check_discount(30, False))
15 # 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' '56979' '--' 'C:\Users\hp\OneDrive\Desktop\ai\assignment 7.5.py'
Senior + Member Discount
No Discount
○ PS C:\Users\hp\OneDrive\Desktop\ai> []
File (ai) — Indexing completed
```

Task 5

```
assignment 7.5.py > ...
1 import math
2
3 class Circle:
4     def __init__(self, radius):
5         self.radius = radius
6
7     def area(self):
8         return math.pi * self.radius * self.radius
9
10    def circumference(self):
11        return 2 * math.pi * self.radius
12
13 c = Circle(7)
14 print(c.area())
15 print(c.circumference())
16 # 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
43.982297150257104
PS C:\Users\hp\OneDrive\Desktop\ai>
```

Ln 16, Col 1 Spaces: 4 UTF-8 CRLF {} Python 3.13.12 (Microsoft Store) ⓘ Go Live 🔍