ASSIGNMENT - 8.1

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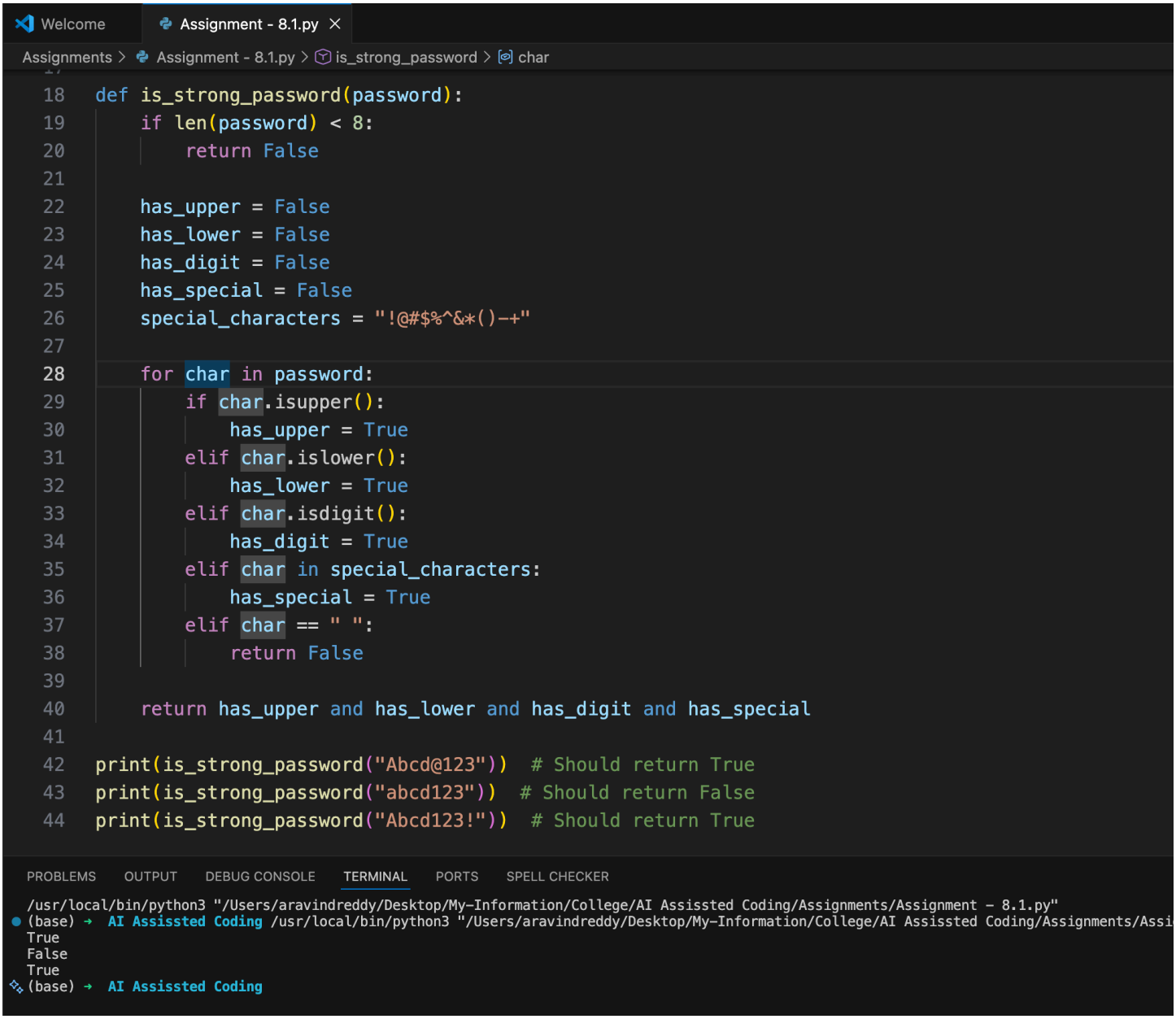
Hall Ticket No : 2303a51027

Batch No : 01

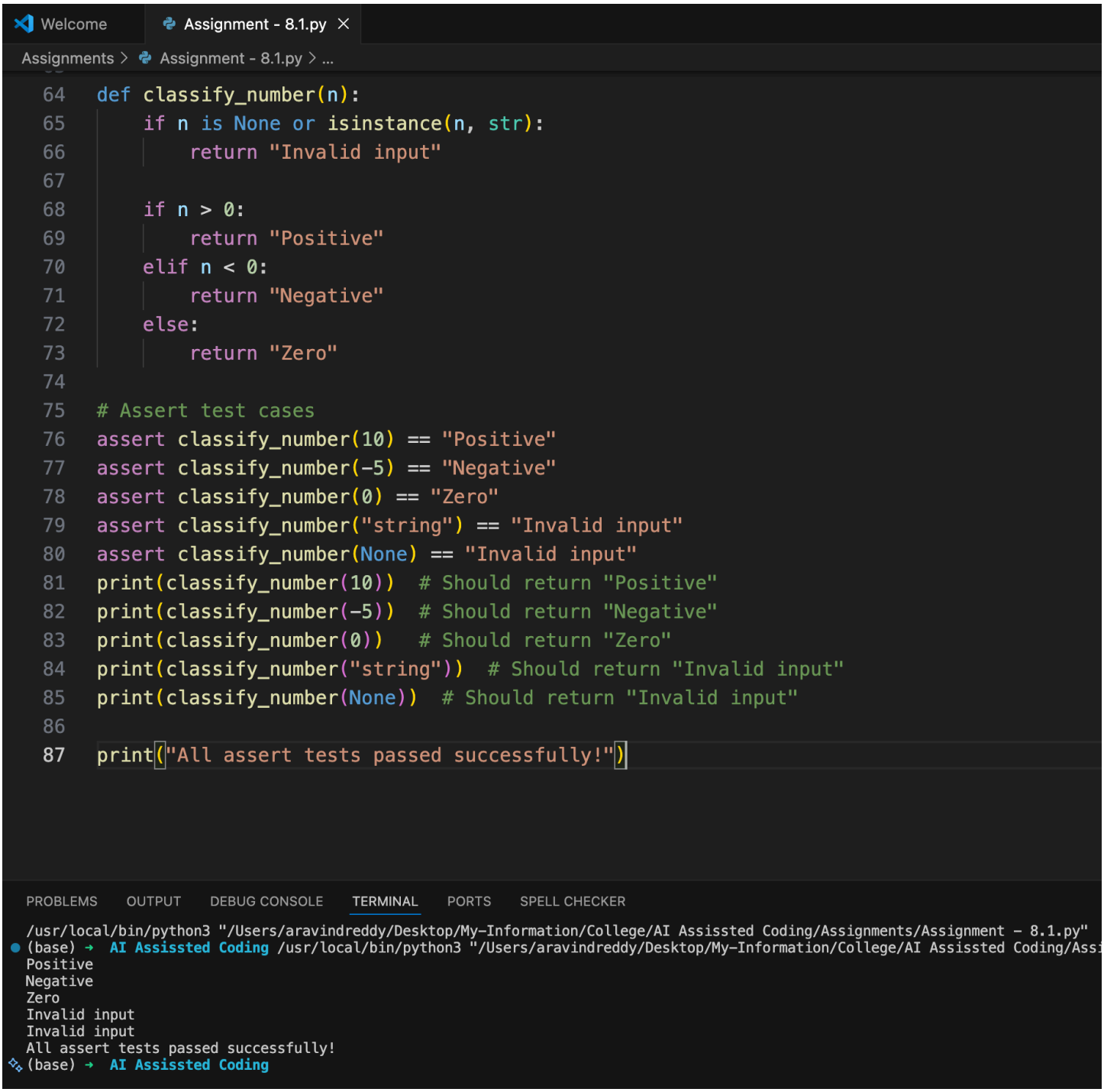
Course Title : AI Assisted Coding

Instructor's Name : Mr. S Naresh Kumar

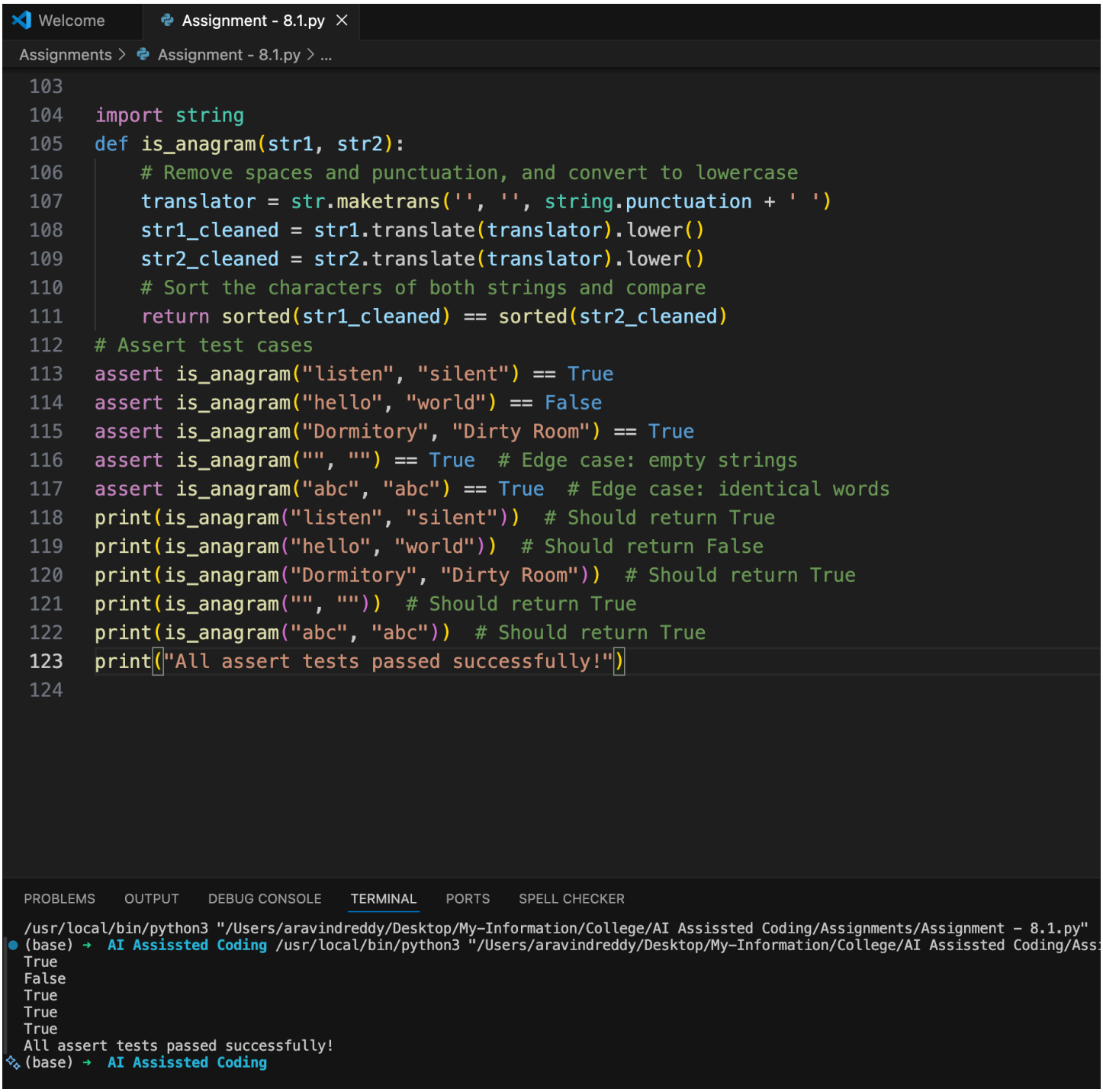
Task 1 : Password Strength Validator – Apply AI in Security Context



Task 2 : Number Classification with Loops – Apply AI for Edge Case Handling

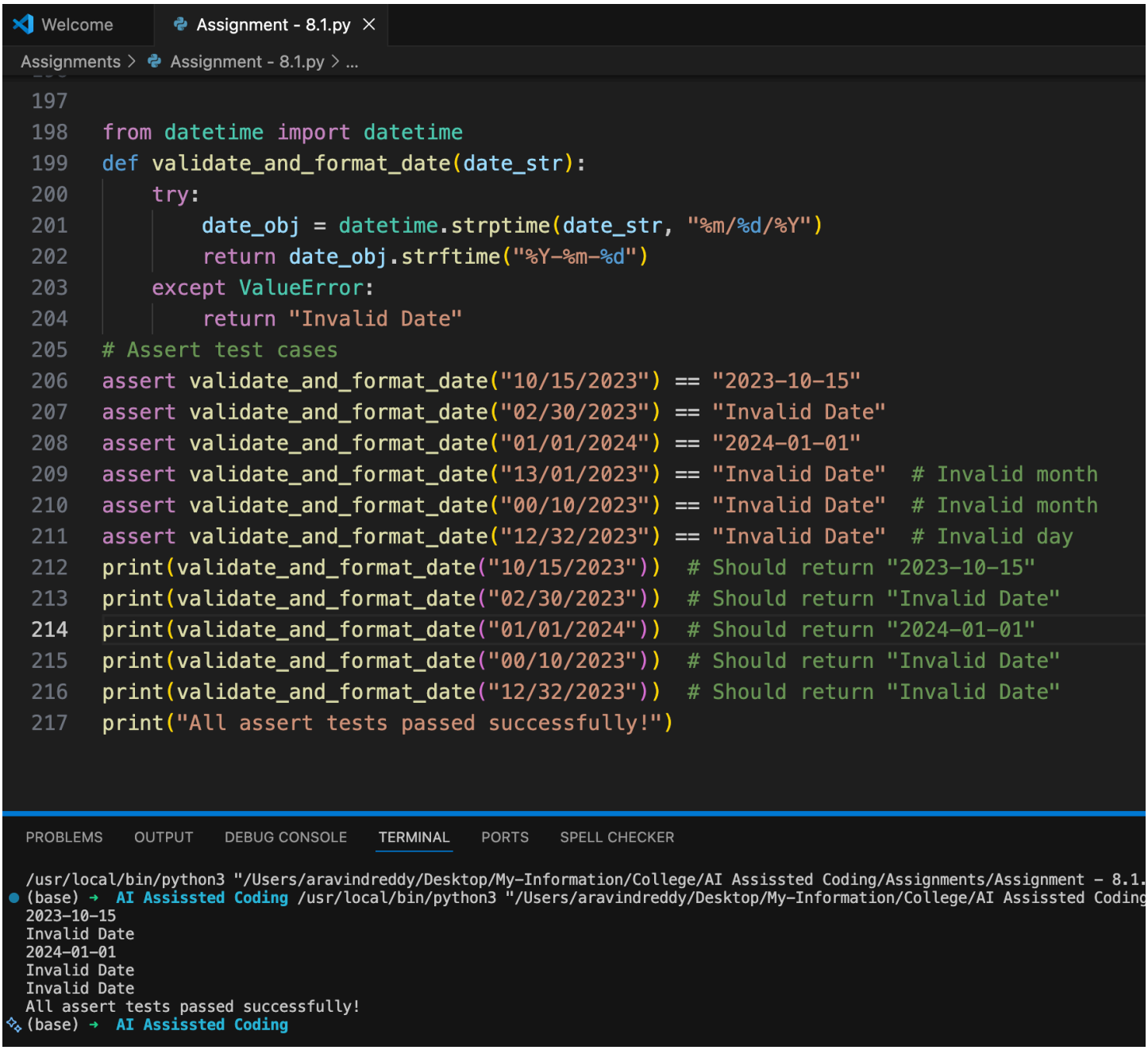


Task 3 : Anagram Checker – Apply AI for String Analysis



Task 4 : Inventory Class – Apply AI to Simulate Real- World Inventory System

Task 5 : Date Validation & Formatting – Apply AI for Data Validation


Welcome
Assignment - 8.1.py
Assignments > Assignment - 8.1.py > ...
197
198 from datetime import datetime
199 def validate_and_format_date(date_str):
200 try:
201 date_obj = datetime.strptime(date_str, "%m/%d/%Y")
202 return date_obj.strftime("%Y-%m-%d")
203 except ValueError:
204 return "Invalid Date"
205 # Assert test cases
206 assert validate_and_format_date("10/15/2023") == "2023-10-15"
207 assert validate_and_format_date("02/30/2023") == "Invalid Date"
208 assert validate_and_format_date("01/01/2024") == "2024-01-01"
209 assert validate_and_format_date("13/01/2023") == "Invalid Date" # Invalid month
210 assert validate_and_format_date("00/10/2023") == "Invalid Date" # Invalid month
211 assert validate_and_format_date("12/32/2023") == "Invalid Date" # Invalid day
212 print(validate_and_format_date("10/15/2023")) # Should return "2023-10-15"
213 print(validate_and_format_date("02/30/2023")) # Should return "Invalid Date"
214 print(validate_and_format_date("01/01/2024")) # Should return "2024-01-01"
215 print(validate_and_format_date("00/10/2023")) # Should return "Invalid Date"
216 print(validate_and_format_date("12/32/2023")) # Should return "Invalid Date"
217 print("All assert tests passed successfully!")
PROBLEMS
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
SPELL CHECKER
/usr/local/bin/python3 "/Users/aravindreddy/Desktop/My-Information/College/AI Assissted Coding/Assignments/Assignment - 8.1.
(base) → AI Assissted Coding /usr/local/bin/python3 "/Users/aravindreddy/Desktop/My-Information/College/AI Assissted Coding
2023-10-15
Invalid Date
2024-01-01
Invalid Date
Invalid Date
All assert tests passed successfully!
(base) → AI Assissted Coding