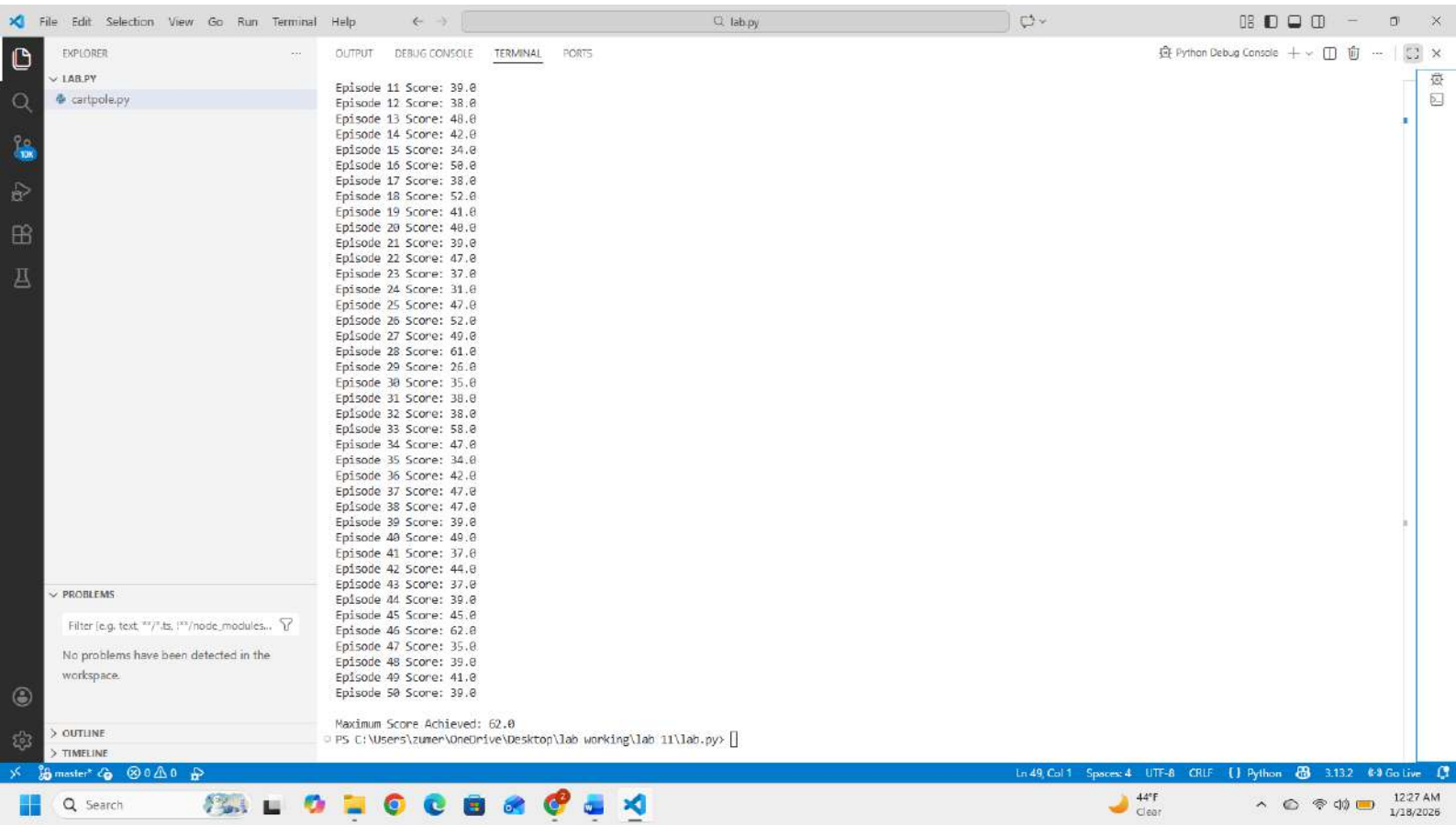
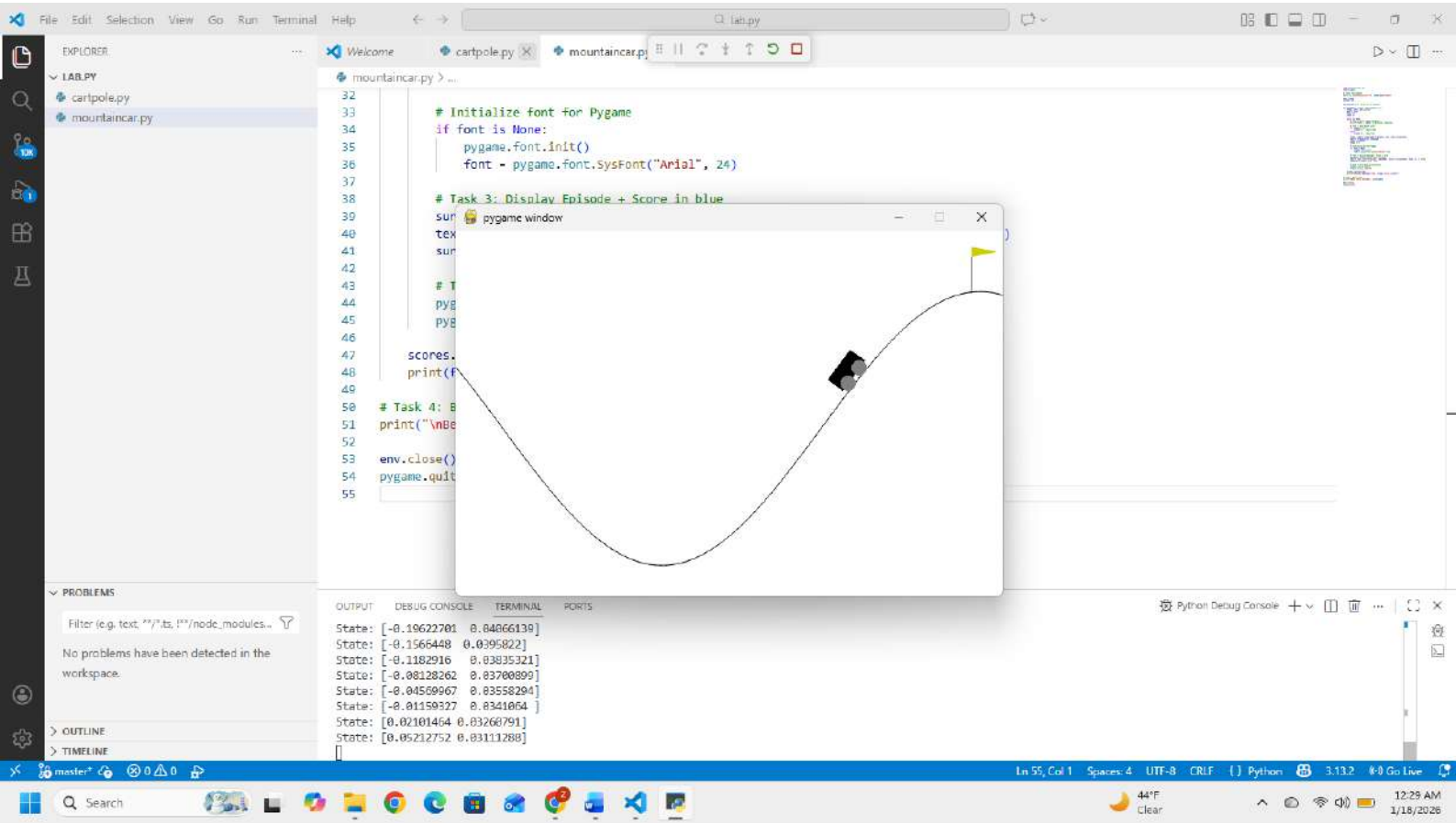
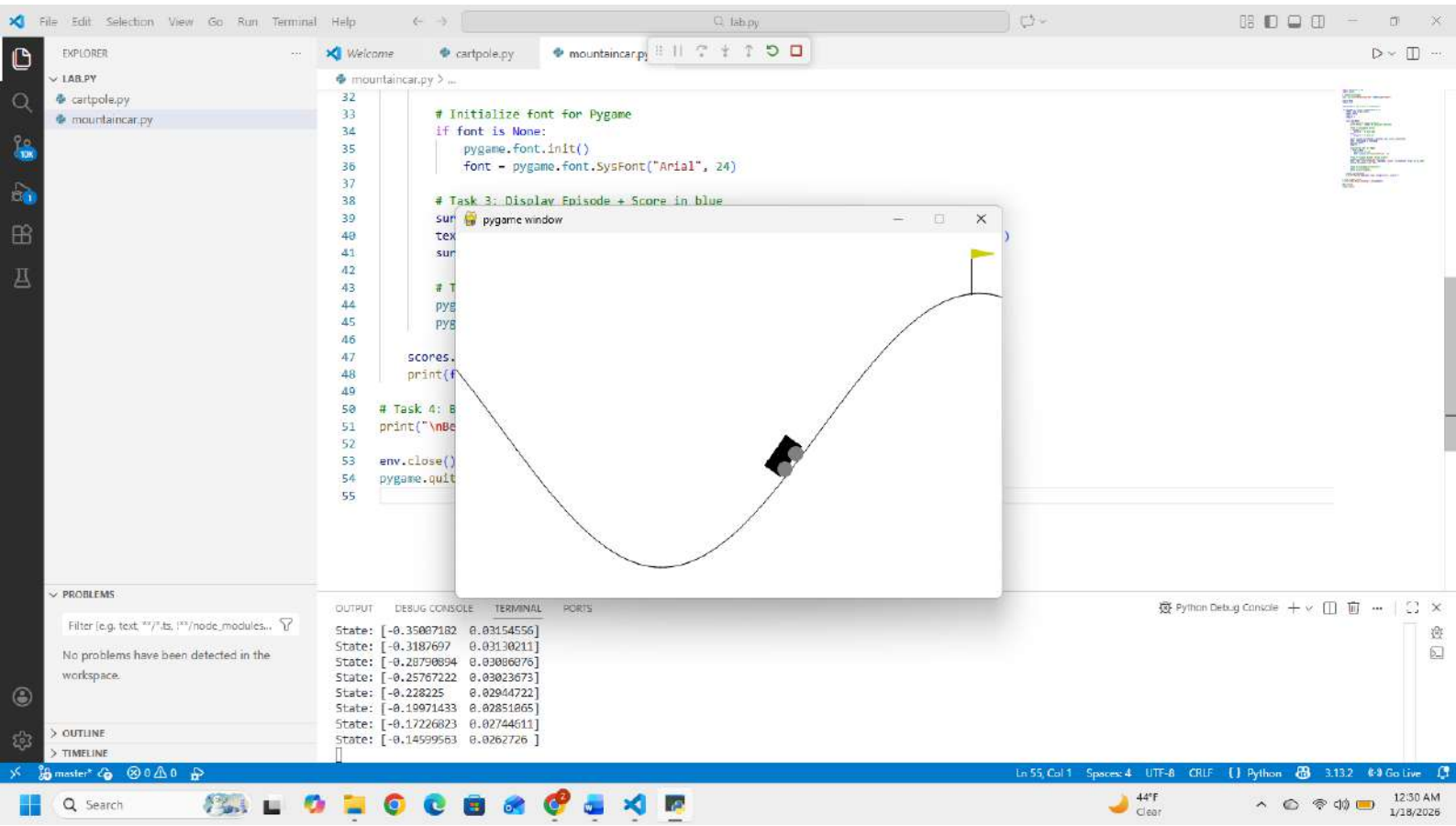

File Edit Selection View Go Run Terminal Help
lab.py
EXPLORER
LAB.PY
cartpole.py
OUTPUT DEBUG CONSOLE TERMINAL PORTS
Python Debug Console
Episode 11 Score: 39.0
Episode 12 Score: 38.0
Episode 13 Score: 48.0
Episode 14 Score: 42.0
Episode 15 Score: 34.0
Episode 16 Score: 58.0
Episode 17 Score: 38.0
Episode 18 Score: 52.0
Episode 19 Score: 41.0
Episode 20 Score: 48.0
Episode 21 Score: 39.0
Episode 22 Score: 47.0
Episode 23 Score: 37.0
Episode 24 Score: 31.0
Episode 25 Score: 47.0
Episode 26 Score: 52.0
Episode 27 Score: 49.0
Episode 28 Score: 61.0
Episode 29 Score: 26.0
Episode 30 Score: 35.0
Episode 31 Score: 38.0
Episode 32 Score: 38.0
Episode 33 Score: 58.0
Episode 34 Score: 47.0
Episode 35 Score: 34.0
Episode 36 Score: 42.0
Episode 37 Score: 47.0
Episode 38 Score: 47.0
Episode 39 Score: 39.0
Episode 40 Score: 49.0
Episode 41 Score: 37.0
Episode 42 Score: 44.0
Episode 43 Score: 37.0
Episode 44 Score: 39.0
Episode 45 Score: 45.0
Episode 46 Score: 62.0
Episode 47 Score: 35.0
Episode 48 Score: 39.0
Episode 49 Score: 41.0
Episode 50 Score: 39.0
Maximum Score Achieved: 62.0
PS C:\Users\zumer\OneDrive\Desktop\lab working\lab 11\lab.py>
PROBLEMS
Filter (e.g. text, **/*.ts, !**/node_modules...
No problems have been detected in the workspace.
OUTLINE
TIMELINE
master*
Ln 49, Col 1 Spaces: 4 UTF-8 CRLF Python 3.13.2 Go Live
Search
44°F Clear
12:27 AM 1/18/2026


File Edit Selection View Go Run Terminal Help
lab.py
EXPLORER
LAB.PY
cartpole.py
mountaincar.py
Welcome
cartpole.py
mountaincar.py
mountaincar.py > ...
# Initialize font for Pygame
if font is None:
pygame.font.init()
font = pygame.font.SysFont("Arial", 24)
# Task 3: Display Episode + Score in blue
scores.
print(f
Task 4: B
print("\nBe
env.close()
pygame.quit
pygame window
PROBLEMS
Filter (e.g. text, **/*.ts, !**/node_modules...
No problems have been detected in the workspace.
OUTLINE
TIMELINE
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Python Debug Console
State: [-0.19622701 0.04066139]
State: [-0.1566448 0.0395822]
State: [-0.1182916 0.03835321]
State: [-0.08128262 0.03700899]
State: [-0.04569967 0.03558294]
State: [-0.01159327 0.0341064]
State: [0.02101464 0.03268791]
State: [0.05212752 0.03111288]
master*
Ln 55, Col 1
Spaces: 4
UTF-8
CRLF
Python
3.13.2
Go Live
Search
44°F
Clear
12:29 AM
1/18/2026


File Edit Selection View Go Run Terminal Help
lab.py
EXPLORER
LAB.PY
cartpole.py
mountaincar.py
Welcome
cartpole.py
mountaincar.py
mountaincar.py > ...
# Initialize font for Pygame
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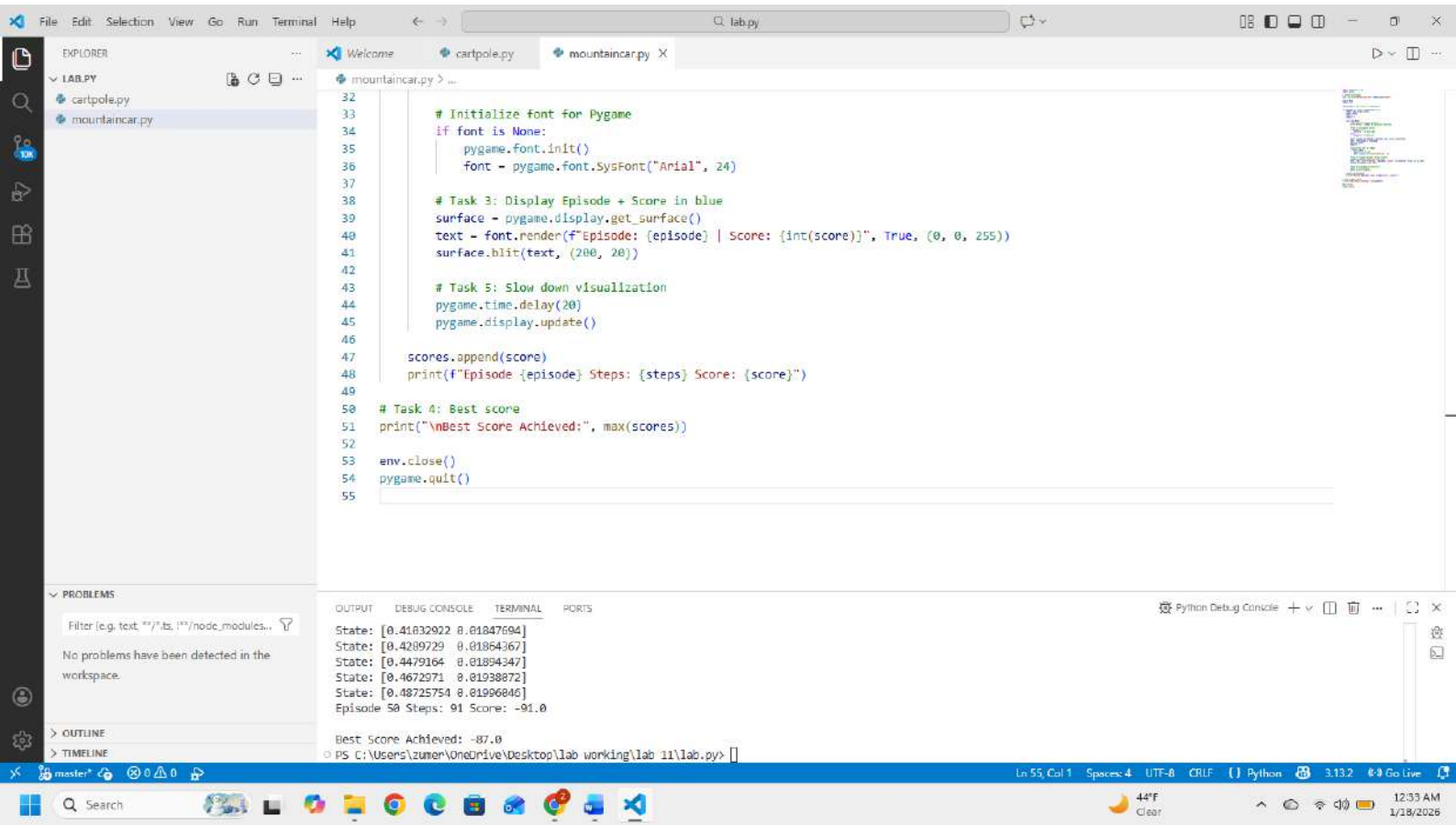
pygame window
scores.
print(f
Task 4: B
print("\nBe
env.close()
pygame.quit
PROBLEMS
Filter (e.g. text, **/*.ts, !**/node_modules...
No problems have been detected in the workspace.
OUTLINE
TIMELINE
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Python Debug Console
State: [-0.35087182 0.03154556]
State: [-0.3187697 0.03130211]
State: [-0.28790894 0.03086076]
State: [-0.25767222 0.03023673]
State: [-0.228225 0.02944722]
State: [-0.19971433 0.02851865]
State: [-0.17226823 0.02744611]
State: [-0.14599563 0.0262726]
master*
Ln 55, Col 1
Spaces: 4
UTF-8
CRLF
Python
3.13.2
Go Live
Search
44°F
Clear
12:30 AM
1/18/2026


File Edit Selection View Go Run Terminal Help
lab.py
EXPLORER
LAB.PY
cartpole.py
mountaincar.py
Welcome
cartpole.py
mountaincar.py
mountaincar.py > ...
# Initialize font for Pygame
if font is None:
pygame.font.init()
font = pygame.font.SysFont("Arial", 24)
# Task 3: Display Episode + Score in blue
surface = pygame.display.get_surface()
text = font.render(f"Episode: {episode} | Score: {int(score)}", True, (0, 0, 255))
surface.blit(text, (200, 20))
# Task 5: Slow down visualization
pygame.time.delay(20)
pygame.display.update()
scores.append(score)
print(f"Episode {episode} Steps: {steps} Score: {score}")
# Task 4: Best score
print("\nBest Score Achieved:", max(scores))
env.close()
pygame.quit()
PROBLEMS
Filter (e.g. text, **/*.ts, !**/node_modules...
No problems have been detected in the workspace.
OUTLINE
TIMELINE
OUTPUT
DEBUG CONSOLE
TERMINAL
PORTS
Python Debug Console
State: [0.41032922 0.01847694]
State: [0.4289729 0.01864367]
State: [0.4479164 0.01894347]
State: [0.4672971 0.01938872]
State: [0.48725754 0.01996846]
Episode 50 Steps: 91 Score: -91.0
Best Score Achieved: -87.0
PS C:\Users\zumer\OneDrive\Desktop\lab working\lab 11\lab.py>
master*
Ln 55, Col 1
Spaces: 4
UTF-8
CRLF
Python
3.13.2
Go Live
Search
44°F
Clear
12:33 AM
1/18/2026