Assignment 01

System Information Proof

Nakul Padalkar

September 14, 2025

import platform  
import psutil  
import pyspark   
  
print("Operating System:", platform.system(), platform.release())  
print("Python Version:", platform.python\_version())  
print(f"PySpark Version: {pyspark.\_\_version\_\_}")  
print("Machine:", platform.machine())  
print("Processor:", platform.processor())  
  
mem = psutil.virtual\_memory()  
print("Total Memory (MB):", round(mem.total / (1024\*\*2), 2))  
print("Available Memory (MB):", round(mem.available / (1024\*\*2), 2))

Operating System: Windows 11  
Python Version: 3.12.10  
PySpark Version: 4.0.0  
Machine: AMD64  
Processor: AMD64 Family 25 Model 33 Stepping 2, AuthenticAMD  
Total Memory (MB): 130997.28  
Available Memory (MB): 93863.45