

# Assignment 01

## System Information Proof

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```
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): 93858.34
```