→ Use a Python script to analyze security logs.

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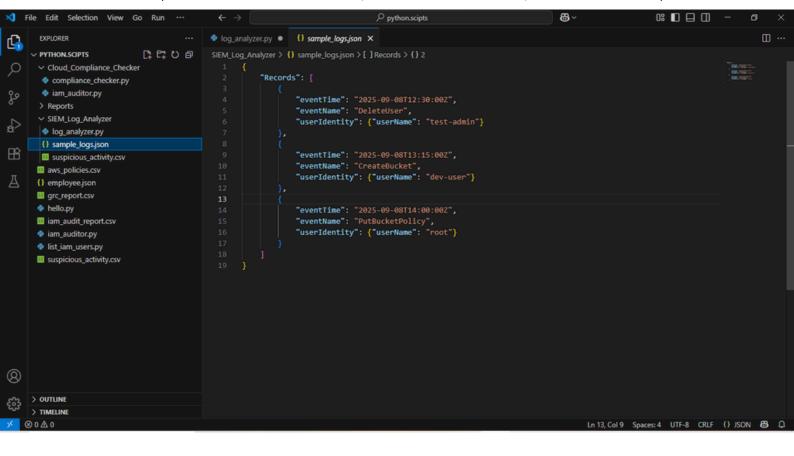
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♦ log_analyzer.py X | {} sample_logs.json
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     V PYTHON.SCIPTS
                                             SIEM_Log_Analyzer > 💠 log_analyzer.py > ..
Q
      Cloud Compliance Checker
       compliance_checker.py
       iam_auditor.py
જુ
      > Reports
                                                    with open("SIEM_Log_Analyzer/sample_logs.json", "r") as file:

✓ SIEM_Log_Analyzer

                                                      logs = json.load(file)
$
       log_analyzer.py
                                                    suspicious_events = []
       {} sample_logs.json
留
       suspicious activity.csv
                                                    flagged_events = ["DeleteUser", "DetachUserPolicy", "DeleteAccessKey", "PutBucketPolicy"]
      aws_policies.csv
Д
      {} employee.json
      grc_report.csv
                                                    for event in logs.get("Records", []):
      hello.py
                                                        event_name = event.get("eventName
      iam_audit_report.csv
                                                        if event_name in flagged_events:
                                                           user = event.get("userIdentity", {}).get("userName", "Unknown")
event_time = event.get("eventTime", "Unknown")
      iam_auditor.py
                                                            suspicious_events.append({
      m suspicious activity.csv
                                                                "Event": event_name,
                                                                "Time": event_time
                                                    with open("suspicious_activity.csv", "w", newline="") as csvfile:
                                                        writer = csv.DictWriter(csvfile, fieldnames=["User", "Event", "Time"])
                                                        writer.writeheader()
(A)
                                                    print(f" ✓ Analysis complete! {len(suspicious_events)} suspicious events found.")
> OUTLINE
                                                    print("Report saved as suspicious_activity.csv")
     > TIMELINE
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→ Created sample JSON test data in the folder, then extracted data user, event and timestamp.



→ Output showing User, event and timestamp as CSV format for review.

