

Module 3 Assignment – Suspicious Login Detection

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Course: Python Essentials 1

Python Code

Step 1: User Inputs

```
username = input("Enter username: ")
ip_address = input("Enter IP address: ")
login_hour = int(input("Enter login hour (0-23): "))
trusted_ip = input("Enter the trusted IP address: ")
```

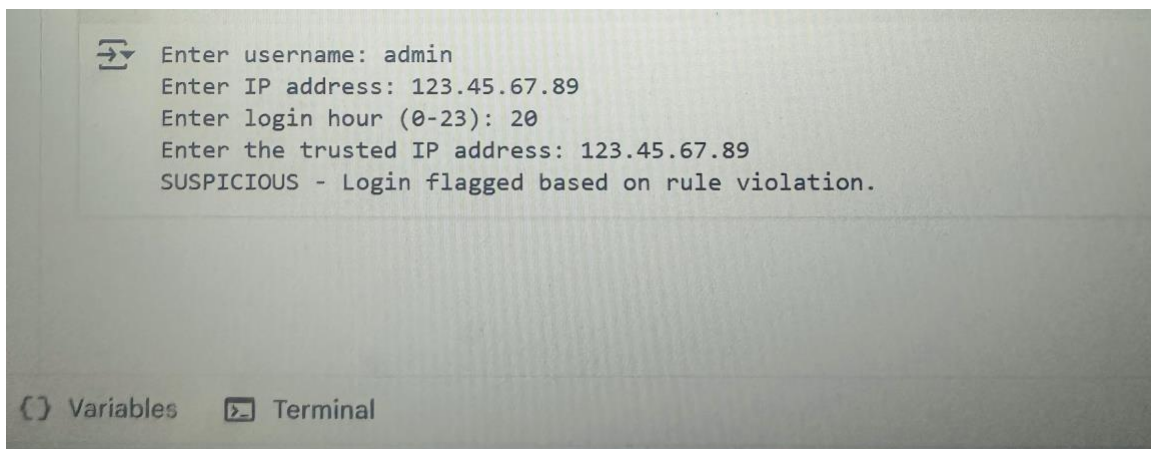
Step 2: Apply Rules

```
outside_work_hours = login_hour < 9 or login_hour > 17
untrusted_ip = ip_address != trusted_ip
admin_off_hours = username.lower() == "admin" and outside_work_hours
```

Step 3: Final Evaluation

```
if outside_work_hours or untrusted_ip or admin_off_hours:
    print("SUSPICIOUS - Login flagged based on rule violation.")
else:
    print("ALLOWED - Login is within expected parameters.")
```

Screenshot of Output



```
Enter username: admin
Enter IP address: 123.45.67.89
Enter login hour (0-23): 20
Enter the trusted IP address: 123.45.67.89
SUSPICIOUS - Login flagged based on rule violation.
```

The screenshot shows a terminal window with a dark background and light text. At the bottom, there are two tabs: 'Variables' and 'Terminal'. The 'Terminal' tab is active, showing the input and output of the program. The output is 'SUSPICIOUS - Login flagged based on rule violation.'.