

Part II – Threat Detection Model No. 1 testing

Required files:

- Fingerprint object implementation: FingerPrint.java
- Threat Detection System implementation: ThreatDetection.java

Open a new terminal “Command Prompt”, move to the directory where the files are saved, and execute the following command lines.

1. C:\Users\User\Desktop\fingerprint> **javac ThreatDetection.java**
2. C:\Users\User\Desktop\fingerprint> **java ThreatDetection**

Expected output.

Case 1: Access Denied.

```
Define a maximum # of tries: 3
Provide Fingerprint: User1.txt
Provide Fingerprint: User2.txt
Provide Fingerprint: User3.txt
Access Denied.
```

Case 2: Succeed Authentication

```
Define a maximum # of tries: 3
Provide Fingerprint: User1.txt
Provide Fingerprint: User2.txt
Provide Fingerprint: Original.txt
Succeed Authentication
```

Part III – Threat Detection Model No. 2 testing

Required files:

- Fingerprint object implementation: FingerPrint.java
- Second Threat Detection System implementation: ThreatDetection2.java

Open a new terminal “Command Prompt”, move to the directory where the files are saved, and execute the following command lines.

1. C:\Users\User\Desktop\fingerprint> **javac ThreatDetection2.java**
2. C:\Users\User\Desktop\fingerprint> **java ThreatDetection2**

Expected output.

Case 1: Access Denied.

```
Define a maximum # of tries: 3
Set up error threshold (%): 1
Provide Fingerprint: variation1.txt
Provide Fingerprint: variation2.txt
Provide Fingerprint: variation3.txt
Access Denied.
```

Case 2: Succeed Authentication

```
Define a maximum # of tries: 3
Set up error threshold (%): 10
Provide Fingerprint: variation1.txt
Succeed Authentication.Accuracy: 97.77
```