

An Institute of National Importance
(Ministry of Home Affairs, Government of India)

(MINISTRY OF HOME AFFAIRS, GOVERNMENT OF INDIA)
(AN INSTITUTE OF NATIONAL IMPORTANCE)

Mobile Phone Security



Dr. Digvijaysinh Rathod

Associate Professor & Associate Dean

School of Cyber Security and Digital Forensics

National Forensic Sciences University with status of Institution of National Importance

Insecure Data storage : Part – 3 (Database)

**Ensure that sensitive data is kept
secure**

Insecure Data storage : Part – 3

- ✓ a.santoku@santaku:~/ jd-gui classes_dex2jar.jar
- ✓ b.Open the InsecureDataStorage2Activity.class, now do the analysis of the code and found that data is stored in the database
- ✓ c.privateSQLiteDatabaseenDB; and create the database name ids2 and create table myuser
- ✓ d.Now we have to check that it will store the data in plain text or encrypted text.
- ✓ e.santoku@santaku:~/ adb shell

Insecure Data storage : Part – 3

- ✓ g.root@santaku:/data/data/ # cd jakhar.aseem.diva/
- ✓ h.root@santaku:/cd /data/data/jakhar.aseem.diva #ls
- ✓ i.root@santaku:/cd /data/data/jakhar.aseem.diva #
- ✓ j.you will find package name databases
- ✓ k.root@santaku:/cd /data/data/jakhar.aseem.diva # cd
databases
- ✓ l.root@santaku:/cd /data/data/jakhar.aseem.diva /
databases#ls
- ✓ m.you will find database name ids2

Insecure Data storage : Part – 3

- ✓ n. Now to open the database use sqlite3 because it is most used database in most of the android applications
- ✓ o. root@santaku:/cd /data/data/ jakhar.aseem.diva /databases # sqlite3 dbs2
- ✓ p. sqlite> .tables // to check the list of tables
- ✓ q. sqlite> select * from myuser
- ✓ r. which will show the username and password.

NFSU



National Forensic
Sciences University

Knowledge | Wisdom | Fulfilment

An Institute of National Importance
(Ministry of Home Affairs, Government of India)

Mobile Phone Security



Dr. Digvijaysinh Rathod

Associate Professor & Associate Dean

School of Cyber Security and Digital Forensics

National Forensic Sciences University with status of Institution of National Importance

digvijay.rathod@gfsu.edu.in