

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 and Forensics



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# Hardcoding Issues

## Hardcoding Issues

- ✓ a.Sometimes developers made a mistake in source code of an android application.
- ✓ b.Developer explicitly defines a constant value.
- ✓ c.If any confidential data is hardcoded in source code than that is also a security issue.
- ✓ d.Hardcode data might be password, access token or authentication string etc.,
- ✓ e.Open the Genymotion and click on 2. Hardcoding issues – Part -1. The objective is to find what is

## Hardcoding Issues

- ✓ f. Enter the vender key and click on access now and it show “access denied see you in hell” which means that somewhere the entered string is compared with other string. We have to find where it is hardcoded ?
- ✓ g. Open diva jar file with jd-gui
- ✓ h. `santoku@santaku:~/jd-gui/classes_dex2jar.jar`
- ✓ i. Open `HardcodeActivity.class`
- ✓ j. If you read source code very carefully, you will come to know that string is hardcoded and checked with `.equals(“vendersecretkey”)` method.

## Hardcoding Issues

- ✓ k.As this is vendersecretkey, it should not be hardcoded because any body can open the source code and can read this hardcoded string. Instead of it should be stored in on the sever side only.

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