

Group Number 27

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Once smart contract is deployed into Blockchain it can not be changed. So it is very much essential to detect bugs (if any) before being deployed to Blockchain. In literature, there are many tools to detect the bugs in smart contract.

Students have done following work in their thesis.

1. They have done empirical study on these tools which detects the bug in smart contract.
2. Students have introduced three new vulnerabilities in smart contract. They have devised algorithms to detect these vulnerabilities, and coded the implementation to the well known Oyente tool. Students have contributed three new vulnerabilities to Oyente tool.

Students have demonstrated their implementation to me and it is working well.

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KUNWAR SINGH