Practical 1:-

```
Blockchain Practical — -zsh — 87x12

Last login: Sat Sep 30 09:08:07 on console
[(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical % javac MerkleTree.java
[(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical % java MerkleTree

Transaction1

Transaction2

Transaction3

Transaction4
6deb126872810c37757961577a780186e3999860be14dc3e06b69d6a19442f11
34c35c4ec3663c278b9785151d63742c34cf9ac27ca2b3facbfff28ba72901e5
(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical %
```

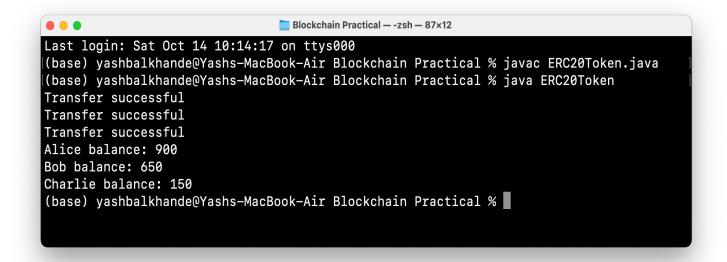
Practical 2:-

```
Last login: Sat Oct 14 10:10:10 on ttys000
[(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical % javac Block.java
[(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical % java Block
Block mined: 01d90e3ebe5fdbd49c669d2e5bf979383101070618705f167d2b23c13a2c74a7
(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical %
```

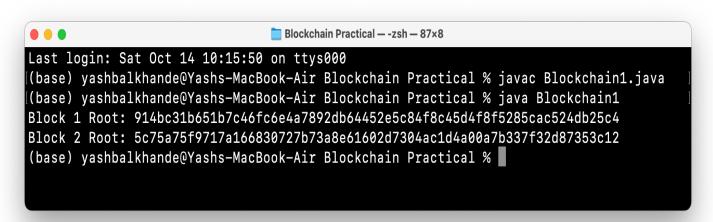
Practical 3:-

```
Last login: Sat Oct 14 10:13:39 on ttys005
(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical % javac Blockchain.java
(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical % java Blockchain
Block mined: 0000dd2c6b89f7315332970622c2e280440bbc97ed1a2c791af4d074ba55d5d9
Block mined: 0000b3a72a35093b185bcf473c4ea0209a0b419d5d6b5b5fee515f8965cff812
Block mined: 000032ddaa290ecaef87c6578b2a1dd737db5ec2c66b8fa716837842c26a0555
Block mined: 00005ad6bd1251de485ccf4eadad1f4a8a43fd38b20218441872b8510316245f
Block chain is valid:true
(base) yashbalkhande@Yashs-MacBook-Air Blockchain Practical %
```

Practical 4:-



Practical 5:-



Practical 6:-

```
Blockchain Practical — -zsh — 100×10

Last login: Sat Oct 14 10:17:44 on ttys000

[(base) yashbalkhande@Yashs—MacBook—Air Blockchain Practical % javac BlockchainMiningExample.java (base) yashbalkhande@Yashs—MacBook—Air Blockchain Practical % java BlockchainMiningExample

Block mined:00008eb3c84a6e3f566ca9c85baa843772290e869a1c75519ed297e5c249cfb6

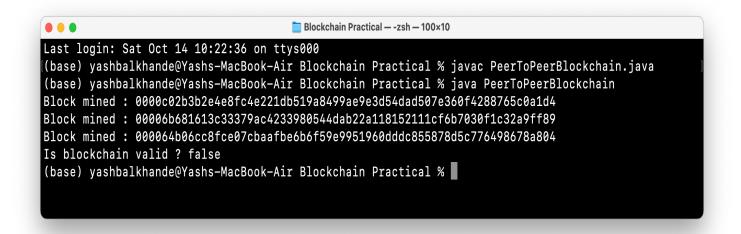
Block mined:00009acb2508fdbb9853dde63e19af55a61c7d43fe2585031541015aedc2325

Block mined:00003b7c07538ba38942bd3e85aee9f0b76d99250e44e4563b49c91c24c64263

Is block chain valid ? true

(base) yashbalkhande@Yashs—MacBook—Air Blockchain Practical %
```

Practical 7:-



Practical 8:-

