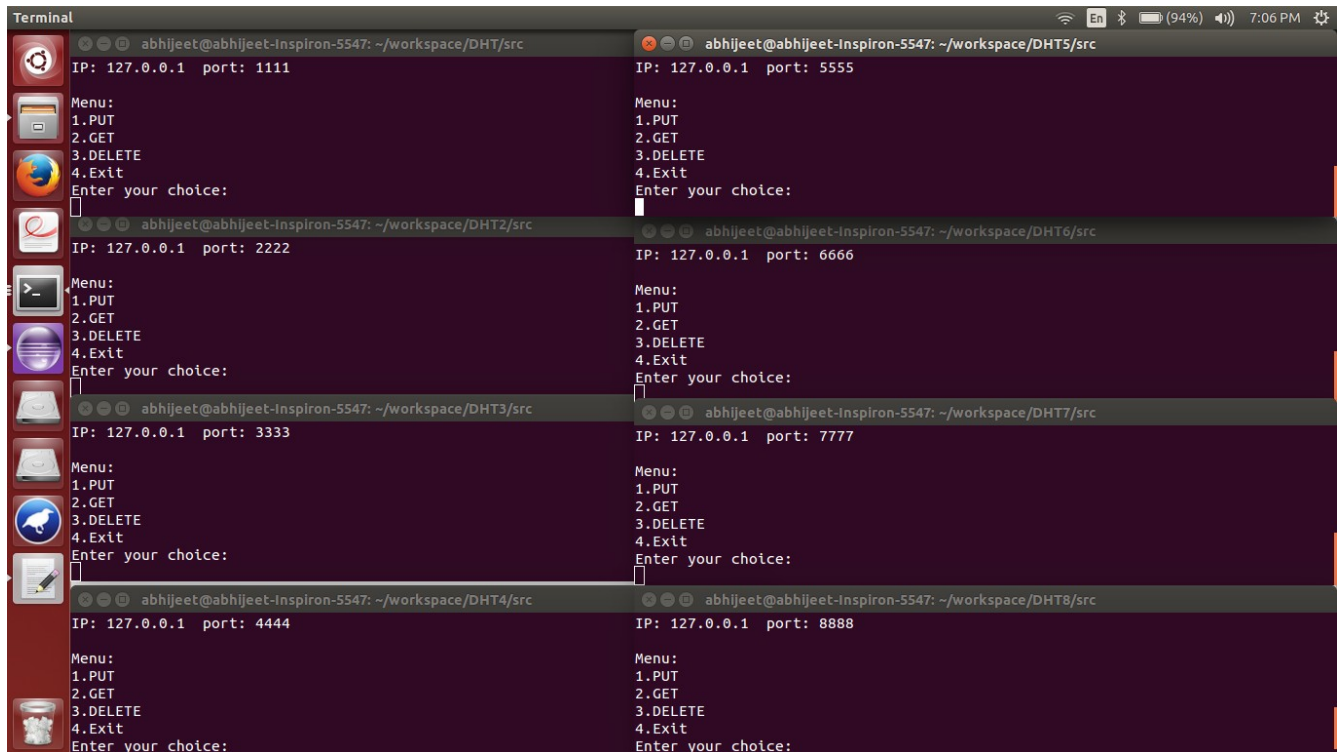


Output File

1. When All Client/Server get up.



```
Terminal
abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT/src
IP: 127.0.0.1 port: 1111
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT5/src
IP: 127.0.0.1 port: 5555
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT2/src
IP: 127.0.0.1 port: 2222
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT6/src
IP: 127.0.0.1 port: 6666
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT3/src
IP: 127.0.0.1 port: 3333
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT7/src
IP: 127.0.0.1 port: 7777
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT4/src
IP: 127.0.0.1 port: 4444
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT8/src
IP: 127.0.0.1 port: 8888
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
```

2. When Use PUT operation

```

Terminal
abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT/src
Key Abhi Inserted successfully !!!

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT2/src
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT3/src
IP: 127.0.0.1 port: 3333
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT4/src
IP: 127.0.0.1 port: 4444
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT6/src
abhiijeet@abhijeet-Inspiron-5547:~$ cd workspace/DHT6/src
abhiijeet@abhijeet-Inspiron-5547:~/workspace/DHT6/src$ java Peer
IP: 127.0.0.1 port: 6666

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

Enter the Key to insert:
Abhijeet

Enter the Value associated with key Abhijeet to insert:
My name is Abhijeet Kedari. I am a student of IIT Chicago
Difference: 2245

Key Abhijeet Inserted successfully !!!

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

```

3. When use GET operation

```

Terminal
abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT/src
IP: 127.0.0.1 port: 1111
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2

Enter the Key to insert:
one

Enter the Value associated with key one to insert:
value for one

Key one Inserted successfully !!!

Enter your choice:
2

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT3/src
IP: 127.0.0.1 port: 3333
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT4/src
IP: 127.0.0.1 port: 4444
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT5/src
IP: 127.0.0.1 port: 5555
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2

abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT6/src
IP: 127.0.0.1 port: 6666
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2

Enter the key to search
one

Key :one      Value: value for one

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2

IP: 127.0.0.1 port: 8888
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2

```

4. When use Delete Operation

```

Terminal
abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/DHT/src
IP: 127.0.0.1 port: 1111

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

Enter the Key to insert:
one

Enter the Value associated with key one to insert:
value for one

Key one Inserted successfully !!!

Enter your choice:
3

Enter the key to delete
one

Deleted successfully !!!

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
4.Exit
Enter your choice:

```

5. Concurrent PUT operation

```

Terminal
abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/DHT2/src
one

Enter the Value associated with key one to insert:
value for one
Difference: 2779

Key one Inserted successfully !!!

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
1

Enter the Key to insert:
two

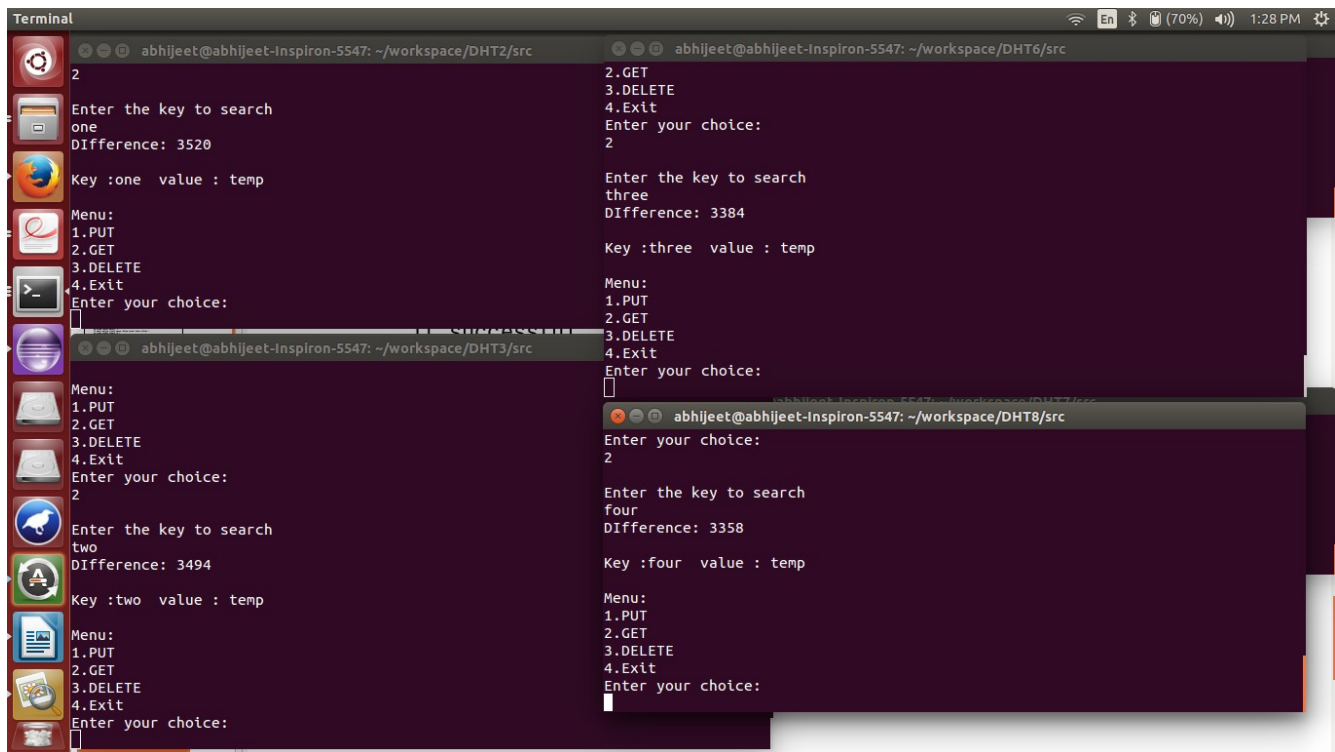
Enter the Value associated with key two to insert:
value for two
Difference: 2720

Key two Inserted successfully !!!

Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

```

6. Concurrent GET operation



```
Terminal
abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT2/src
2
Enter the key to search
one
Difference: 3520
Key :one value : temp
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2
abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT3/src
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2
Enter the key to search
two
Difference: 3494
Key :two value : temp
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2
abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT6/src
2.GET
3.DELETE
4.Exit
Enter your choice:
2
Enter the key to search
three
Difference: 3384
Key :three value : temp
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
2
abhiijeet@abhijeet-Inspiron-5547: ~/workspace/DHT8/src
Enter your choice:
2
Enter the key to search
four
Difference: 3358
Key :four value : temp
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
```

7. Concurrent DELETE operation

```
Terminal
abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/DHT2/src
4.Exit
Enter your choice:
3
Enter the key to delete
one
Difference: 2238
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/DHT3/src
Key :two value : temp
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
3
Enter the key to delete
two
Difference: 2315
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/DHT6/src
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
3
Enter the key to delete
three
Difference: 2362
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:

abhiijeet@abhiijeet-Inspiron-5547: ~/workspace/DHT8/src
3.DELETE
4.Exit
Enter your choice:
3
Enter the key to delete
four
Difference: 2163
Menu:
1.PUT
2.GET
3.DELETE
4.Exit
Enter your choice:
```