

Practical No.: 4

Aim: Write a program to increment counter in Shared memory

File → New Project → Java Application → Project Name: Shared Memory → Finish

Source Code:

Shared Memory.java

```
package shared.memory;
```

```
import java.io.IOException;
```

```
import java.net.ServerSocket;
```

```
import java.net.Socket;
```

```
/**
```

```
 *
```

```
 * @author TechnoBoy
```

```
 */
```

```
public class SharedMemory {
```

```
    static ServerSocket ss;
```

```
    static int count=0;
```

```
    public static void main(String[] args){
```

```
        try
```

```
        {
```

```
            ss=new ServerSocket(2000);
```

```
            while(true)
```

```
            {
```

```
                Socket s=ss.accept();
```

```
                count++;
```

```
                System.out.println("Count : "+count);
```

```
            }
```

```
        }
```

```
        catch(IOException e)
```

```
        {
```

```
        System.out.println(e);
    }
}
}
```

Right Click on Project → New → Java Class-> Class Name: *Client*→ package : *shared.memory*→ Finish

package server;

Client.java

package shared.memory;

import java.io.IOException;

import java.net.Socket;

/**

*

* @author TechnoBoy

*/

public class Client {

public static void main(String args[]) throws IOException

{

Socket s=new Socket("localhost",2000);

System.out.println(s);

}

}

Output

Client

Server

