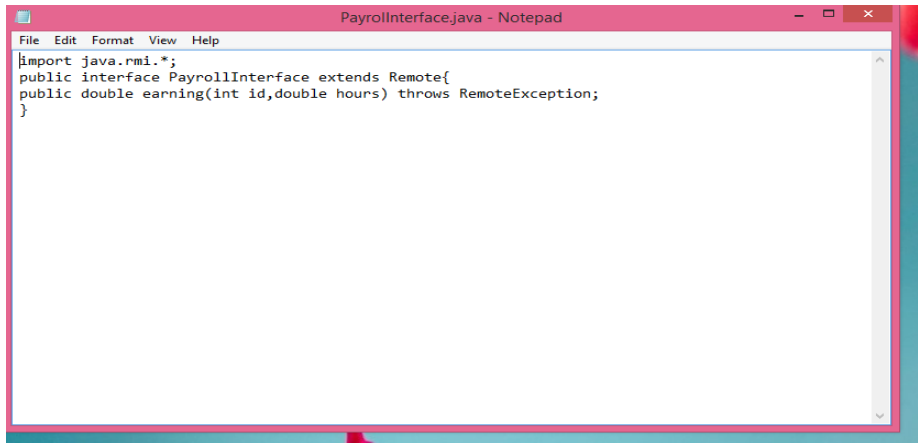


Lab#04

Object: To become familiar with rmi call back using primitive data types as arguments.

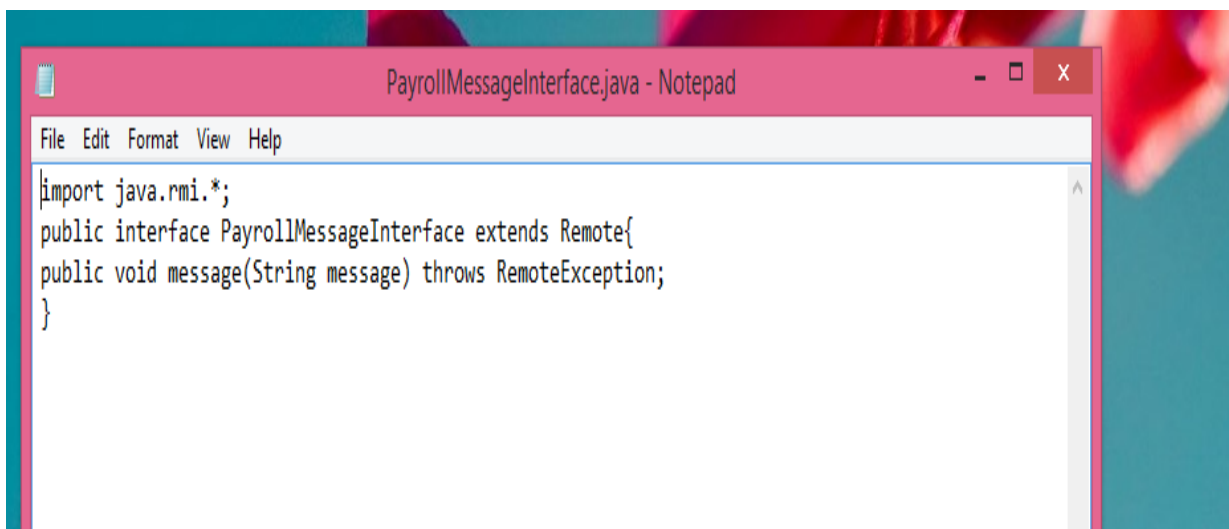
Task :Develop an RMI application for that handles the payroll and sends message back to client as an example of callback.

payrollInterface.java



```
File Edit Format View Help
import java.rmi.*;
public interface PayrollInterface extends Remote{
    public double earning(int id,double hours) throws RemoteException;
}
```

payrollMessageInterface.java

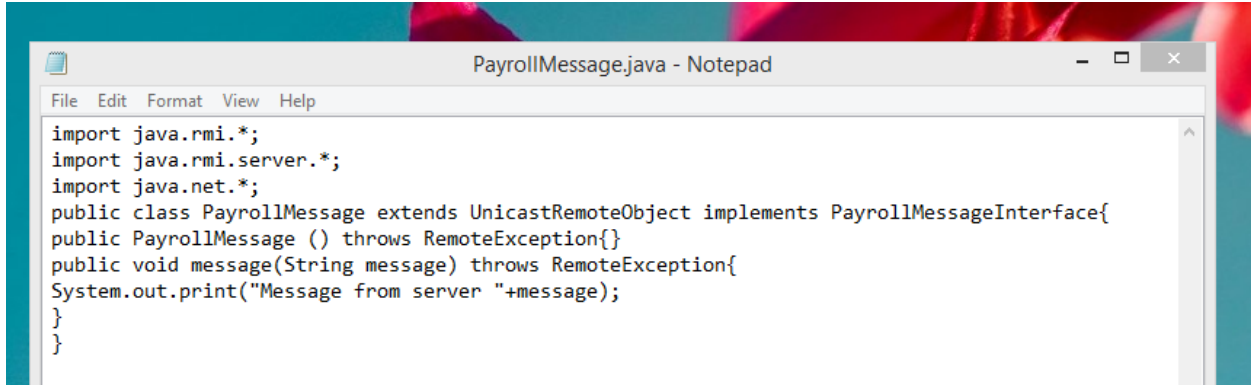


```
File Edit Format View Help
import java.rmi.*;
public interface PayrollMessageInterface extends Remote{
    public void message(String message) throws RemoteException;
}
```

payroll.java

payrollServer.java

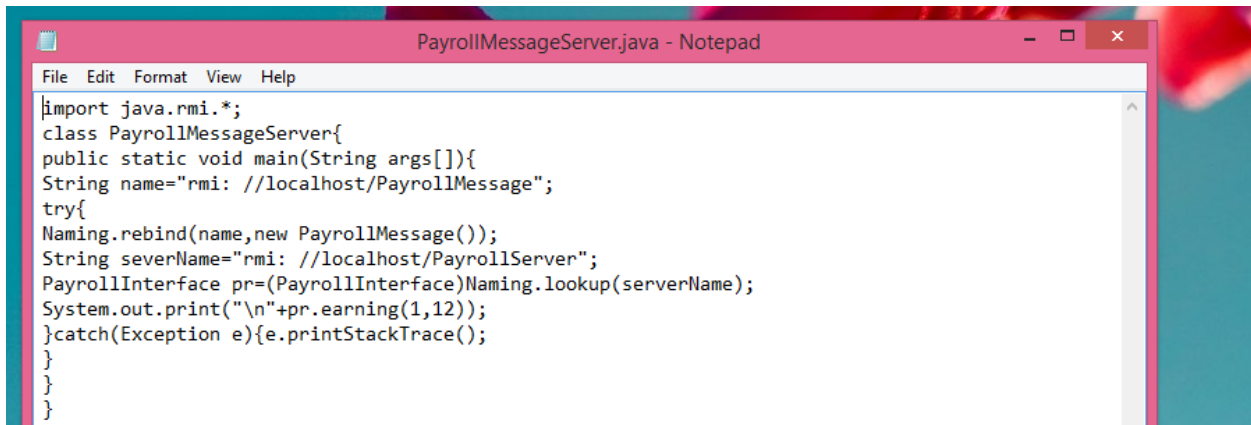
payrollMessage.java



```
import java.rmi.*;
import java.rmi.server.*;
import java.net.*;

public class PayrollMessage extends UnicastRemoteObject implements PayrollMessageInterface{
    public PayrollMessage () throws RemoteException{}
    public void message(String message) throws RemoteException{
        System.out.print("Message from server "+message);
    }
}
```

payrollMessageServer.java



```
import java.rmi.*;
class PayrollMessageServer{
    public static void main(String args[]){
        String name="rmi: //localhost/PayrollMessage";
        try{
            Naming.rebind(name,new PayrollMessage());
            String severName="rmi: //localhost/PayrollServer";
            PayrollInterface pr=(PayrollInterface)Naming.lookup(serverName);
            System.out.print("\n"+pr.earning(1,12));
        }catch(Exception e){e.printStackTrace();}
    }
}
```

Output:

