

```
/*
```

```
* To change this license header, choose License Headers in Project Properties.
```

```
* To change this template file, choose Tools | Templates
```

```
* and open the template in the editor.
```

```
*/
```

```
package AksesRMI;
```

```
import Entitas.Mahasiswa;
```

```
import Koneksi.Koneksi;
```

```
import Services.ServicesMahasiswa;
```

```
import java.rmi.RemoteException;
```

```
import java.rmi.server.UnicastRemoteObject;
```

```
import java.sql.ResultSet;
```

```
import java.sql.Statement;
```

```
import java.util.ArrayList;
```

```
import java.util.List;
```

```
/**
```

```
*
```

```
* @author ikmse
```

```
*/
```

```
public class AksesMahasiswa extends UnicastRemoteObject implements ServicesMahasiswa{
```

```
    public AksesMahasiswa() throws RemoteException {  
    }  
}
```

```
@Override
```

```
public List getMahasiswa() throws RemoteException {
```

```
    List listMahasiswa=new ArrayList<>();
```

```

Statement statement=null;

try {

    statement=Koneksi.getConnection().createStatement();

    try (ResultSet resultSet = statement.executeQuery("select * from mahasiswa")) {

        while (resultSet.next()) {

            Mahasiswa mahasiswa=new Mahasiswa();

            mahasiswa.setNim(resultSet.getString(1));

            mahasiswa.setNama(resultSet.getString(2));

            mahasiswa.setProdi(resultSet.getString(3));

            listMahasiswa.add(mahasiswa);

        }

    }

    return listMahasiswa;

} catch (Exception e) {

    System.out.println(e.getMessage());

    return null;

}

finally{

    if (statement!=null) {

        try {

            statement.close();

        } catch (Exception e) {

        }

    }

}

}

```

@Override

```
public void insert(Mahasiswa mahasiswa) throws RemoteException {
```

//throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools | Templates.

```
Statement statement=null;
```

```
try {
```

```
statement= Koneksi.getConnection().createStatement();
```

```
statement.executeUpdate("insert into mahasiswa values ('"+mahasiswa.getNim()+"  
+ ",""+mahasiswa.getNama()+"", '"+mahasiswa.getProdi()+"")");
```

```
} catch (Exception e) {
```

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

```
}finally{
```

```
if (statement!=null) {
```

```
try {
```

```
statement.close();
```

```
} catch (Exception e) {
```

```
}
```

```
}
```

```
}
```

```
}
```

@Override

```
public void update(Mahasiswa mahasiswa) throws RemoteException {
```

//throw new UnsupportedOperationException("Not supported yet."); //To change body of generated methods, choose Tools | Templates.

```
Statement statement=null;
```

```

try {
    statement=Koneksi.getConnection().createStatement();

    statement.executeUpdate("update mahasiswa set nama="+mahasiswa.getNama() +
        ",prodi="+mahasiswa.getProdi()+"where nim="+mahasiswa.getNim()+""");

} catch (Exception e) {
    System.out.println(e.getMessage());

}finally{
    if (statement!=null) {
        try {
            statement.close();
        } catch (Exception e) {
        }
    }
}
}
}

```

@Override

```

public void delete(Mahasiswa mahasiswa) throws RemoteException {

    // throw new UnsupportedOperationException("Not supported yet."); //To change body of
generated methods, choose Tools | Templates.

    Statement statement=null;

    try {

        statement=Koneksi.getConnection().createStatement();

        statement.executeUpdate("delete from mahasiswa where nim="+mahasiswa.getNim()+""");

```

```
    } catch (Exception e) {  
        System.out.println(e.getMessage());  
  
    }finally{  
        if (statement!=null) {  
            try {  
                statement.close();  
            } catch (Exception e) {  
            }  
  
        }  
    }  
  
}
```