Nama: Raditya Ilham Hastoro

NIM: 24060121140125

Lab PBO B1

Praktikum 9

1. PersonDAO.java

```
/**
 * Nama: Raditya Ilham Hastoro
 * File: PersonDAO.java
 * Deskripsi: Interface untuk person access object
 */
public interface PersonDAO{
    public void savePerson(Person p) throws Exception;
}
```

2. Person.java

```
* Nama: Raditya Ilham Hastoro
* File: Person.java
* Deskripsi: Person database model
 */
public class Person{
    private int id;
    private String name;
    public Person(String n) {
        name = n;
    }
    public Person(int i, String n){
        id = i;
        name = n;
    }
    public int getId() {
        return id;
    public String getName() {
        return name;
    }
```

3. MySQLPersonDAO.java

```
/**
 * Nama: Raditya Ilham Hastoro
 * File: MySQLPersonDAO.java
 * Deskripsi: implementasi PersonDAO untuk MySQL
import java.sql.*;
public class MySQLPersonDAO implements PersonDAO{
    public void savePerson(Person person) throws
Exception {
        String name = person.getName();
        //membuat koneksi, nama db, user, password
menyesuaikan
        Class.forName("com.mysql.jdbc.Driver");
        Connection con = DriverManager.getConnection(
            "jdbc:mysql://localhost/pbo", "root", "");
        //Kerjakan mysql query
        String query = "INSERT INTO person(name) VALUES
('"+name+"')";
        System.out.println(query);
        Statement s = con.createStatement();
        s.executeUpdate(query);
        //tutup koneksi database
        con.close();
    }
```

4. DAOManager.java

```
/**
 * Nama: Raditya Ilham Hastoro
 * File: DAOManager.java
 * Deskripsi: pengelola DAO dalam program
 */
public class DAOManager{
    private PersonDAO personDAO;

    public void setPersonDAO(PersonDAO person) {
        personDAO = person;
    }

    public PersonDAO getPersonDAO() {
        return personDAO;
    }
}
```

5. MainDAO.java

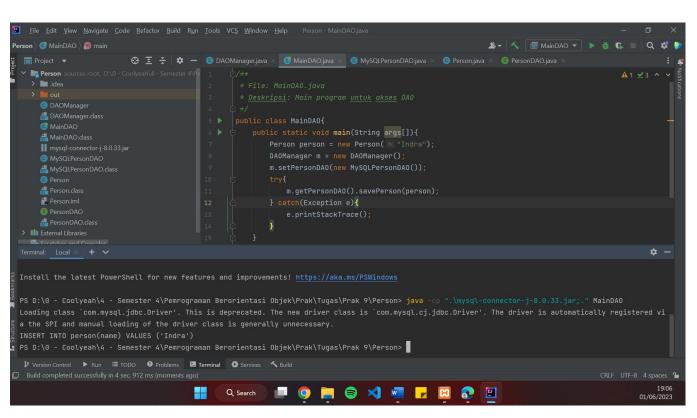
```
/**
* Nama: Raditya Ilham Hastoro
```

```
* File: MainDAO.java

* Deskripsi: Main program untuk akses DAO

*/
public class MainDAO{
    public static void main(String args[]) {
        Person person = new Person("Indra");
        DAOManager m = new DAOManager();
        m.setPersonDAO(new MySQLPersonDAO());
        try{
            m.getPersonDAO().savePerson(person);
        } catch(Exception e) {
            e.printStackTrace();
        }
    }
}
```

Hasil:



PS D:\0 - Coolyeah\4 - Semester 4\Pemrograman Berorientasi Objek\Prak\Tugas\Prak 9\Person> java -cp ".\mysql-connector-j-8.0.33.jar;." MainDAO
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new driver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically registered vi
a the SPI and manual loading of the driver class is generally unnecessary.
INSERT INTO person(name) VALUES ('Indra')

Database SQL:

