

**LAPORAN PRAKTIKUM
PRAKTIKUM 9
“PERSISTENT OBJECT”**



Disusun Oleh :

Axelliano Rafael Situmeang

24060121130089

PRAKTIKUM PEMOGRAMAN BERBASIS OBJEK

LAB B2

**DEPARTEMEN ILMU KOMPUTER / INFORMATIKA
FAKULTAS SAINS DAN MATEMATIKA
UNIVERSITAS DIPONEGORO
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A. Code PersonDAO.java

```
public interface PersonDAO{  
    public void savePerson(Person p) throws Exception;  
}
```

B. Code Person.java

```
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;  
    }  
}
```

C. Code MySQLPersonDAO.java

```
import java.sql.DriverManager;  
  
public class MySQLPersonDAO implements PersonDAO {  
    public void SavePerson(Person person) throws Exception{  
        String name = person.getName();  
  
        Class.forName("com.mysql.jdbc.Driver");  
        Connection con = DriverManager.getConnection("jdbc:mysql://localhost/pbo","root","");  
        String query = "INSERT INTO person(name) VALUES('"+name+"')";  
        System.out.println(query);  
        Statement s = con.createStatement();  
        s.executeUpdate(query);  
  
        con.close();  
    }  
}
```

D. Code DAOManager.java

```
public class DAOManager {  
    private PersonDAO personDAO;  
    public void setPersonDAO(PersonDAO person){  
        personDAO = person;  
    }  
    public PersonDAO getPersonDAO(){  
        return personDAO;  
    }  
}
```

E. Code MainDAO.java

```
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();  
        }  
    }  
}
```

F. Buat Database

SCHEMAS

Filter objects

- hoalah
- pbo**
 - Tables
 - person**
 - Views
 - Stored Procedures
 - Functions
- praktikum1
- praktikumruang
- responsi
- sys
- tested
- tets
- tugas5

Table: person

Columns:

- id** int AI PK
- name varchar(100)

Query 1 `SELECT * FROM pbo.person;`

id	name
1	Indra
*	NULL

Result Grid

Form Editor

Field Types

Query Stats

Execution Plan

G. Hasil Running inputting

```
PS C:\Users\axell\Javaaaa\Pertemuan 9> cd "C:\Users\axell\Javaaaa\Pertemuan 9\" ; if ($?) { javac MainDAO.java } ; if ($?) { java 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 via the
SPI and manual loading of the driver class is generally unnecessary.
INSERT INTO person(name) VALUES('Mukidi')
PS C:\Users\axell\Javaaaa\Pertemuan 9>
```

Query 1 `SELECT * FROM pbo.person;`

id	name
1	Indra
2	Mukidi
*	NULL

Result Grid

Form Editor