

Vicoriza Ramadhani / 24060121130053

Lab PBO B1

1. PersonDAO.java

```
/* Nama File: PersonDAO.java
   Pembuat: Vicoriza Ramadhani
   NIM: 24060121130053
   LAB: B1
   30/05/2023
*/

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

2. Person.java

```
/* Nama File: Person.java
   Pembuat: Vicoriza Ramadhani
   NIM: 24060121130053
   LAB: B1
   30/05/2023
*/

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 File: MySQLPersonDAO.java
   Pembuat: Vicoriza Ramadhani
   NIM: 24060121130053
   LAB: B1
   30/05/2023
*/

import java.sql.*;

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",
        "WarCrime1965?");

        String query = "INSERT INTO person(name) VALUES('" + name
        + "')";
        System.out.println(query);
        Statement s = con.createStatement();
        s.executeUpdate(query);

        con.close();
    }
}
```

4. DAOManager.java

```
/* Nama File: DAOManager.java
   Pembuat: Vicoriza Ramadhani
   NIM: 24060121130053
   LAB: B1
   30/05/2023
*/

public class DAOManager
{
    private PersonDAO personDAO;

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

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

5. MainDAO.java

```
/* Nama File: MainDAO.java
   Pembuat: Vicoriza Ramadhani
   NIM: 24060121130053
   LAB: B1
   30/05/2023
*/

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();
        }
    }
}
```

Dokumentasi:

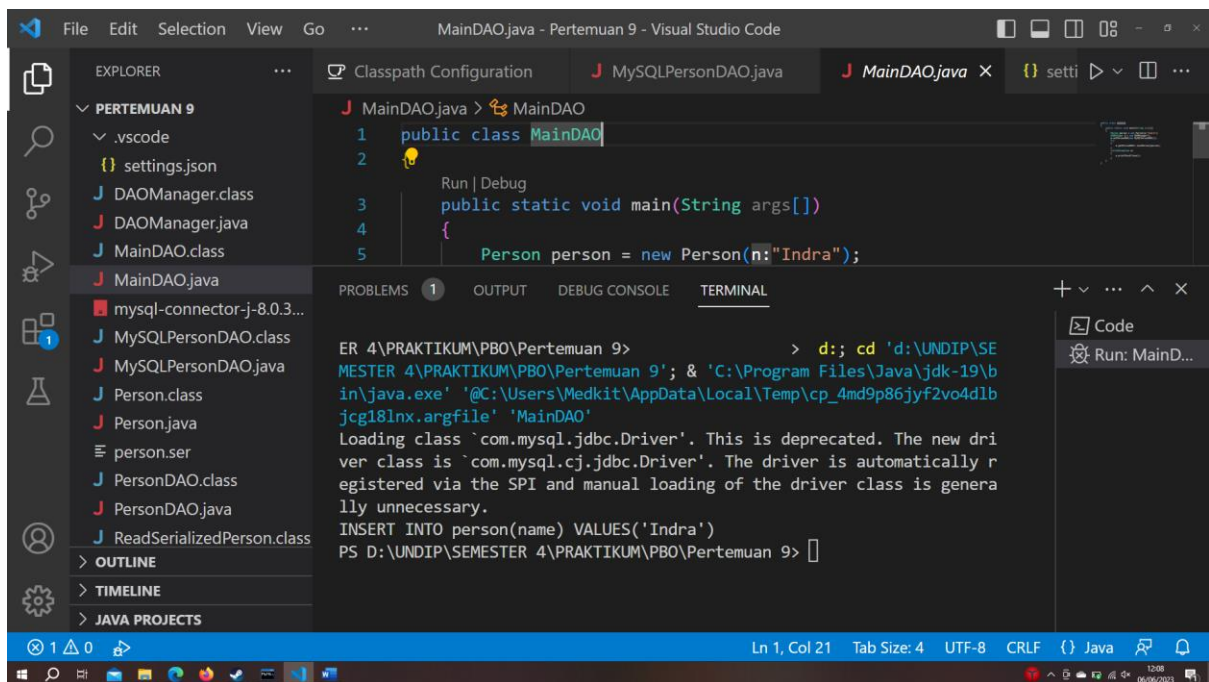
```
mysql> use pbo;
Database changed
mysql> show tables;
Empty set (0.00 sec)

mysql> CREATE TABLE person(id INT PRIMARY KEY AUTO_INCREMENT NOT
-> NULL,name VARCHAR(100));
Query OK, 0 rows affected (0.01 sec)

mysql> show tables
-> ;
+-----+
| Tables_in_pbo |
+-----+
| person        |
+-----+
1 row in set (0.00 sec)
```

```
mysql> select * from person;
Empty set (0.00 sec)

mysql>
```



```
ER 4\PRAKTIKUM\PBO\Pertemuan 9> > d:; cd 'd:\UNDIP\SE
MESTER 4\PRAKTIKUM\PBO\Pertemuan 9'; & 'C:\Program Files\Java\jdk-19\b
in\java.exe' '@C:\Users\Medkit\AppData\Local\Temp\cp_4md9p86jyf2vo4dlb
jcg18lnx.argfile' 'MainDAO'
Loading class `com.mysql.jdbc.Driver'. This is deprecated. The new dri
ver class is `com.mysql.cj.jdbc.Driver'. The driver is automatically r
egistered via the SPI and manual loading of the driver class is genera
lly unnecessary.
INSERT INTO person(name) VALUES('Indra')
PS D:\UNDIP\SEMESTER 4\PRAKTIKUM\PBO\Pertemuan 9> 
```

```
mysql> select * from person;
+----+-----+
| id | name  |
+----+-----+
| 1  | Indra  |
+----+-----+
```