LAPORAN PRAKTIKUM PEMROGAMAN BERBASIS OBJEK

PERTEMUAN 9

Disusun oleh:

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LAB C1

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Source Code

1. PersonDAO.java

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

2. Person.java

```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;
    }
}
```

3. MySQLPersonDAO.java

```java
import java.sql.*;

public class MySQLPersonDAO implements PersonDAO {
    public void savePerson(Person person) throws
Exception {
        String name = person.getName();

        // Creating a connection, adjust the
database name, user, and password accordingly
        Class.forName("com.mysql.jdbc.Driver");
        Connection con =
DriverManager.getConnection(
            "jdbc:mysql://localhost/pbo", "root",
"magefire123");

        // Execute the MySQL query
        String query = "INSERT INTO person(name)
VALUES('" + name + "')";
        System.out.println(query);
        Statement s = con.createStatement();
```

```
            s.executeUpdate(query);

            // Close the database connection
            con.close();
        }
    }
}
```

4. DAOManager.java

```
public class DAOManager{
    private PersonDAO personDAO;

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

5. MainDAO.java

```
public class MainDAO {
    public static void main(String[] args) {
        Person person = new Person("Indra");
        DAOManager daoManager = new DAOManager();
        daoManager.setPersonDAO(new
MySQLPersonDAO());

        try {

daoManager.getPersonDAO().savePerson(person);
        } catch (Exception e) {
            e.printStackTrace();
        }
    }
}
```

Hasil Run

```
PS E:\Study\Semester 4\prak pbo\Pertemuan 9ehe> java –classpath .\mysql-connector-j-8.0.32.jar;. MainDAO
Error: Could not find or load main class ?classpath
Caused by: java.lang.ClassNotFoundException: ?classpath
. : The term 'MainDAO' is not recognized as the name of a cmdlet, function, script file, or operable program. Check
the spelling of the name, or if a path was included, verify that the path is correct and try again.
At line:1 char:50
+ java –classpath .\mysql-connector-j-8.0.32.jar;. MainDAO
+                                                 ~~~~~~~~
    + CategoryInfo          : ObjectNotFound: (MainDAO:String) [], CommandNotFoundException
    + FullyQualifiedErrorId : CommandNotFoundException
```

Program error