

Source code

Index.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8" %>
<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Product Details Portal</title>
</head>
<body>
    <h1>Product Details Portal</h1>
    <form action="productDetails.jsp" method="GET">
        <label for="productId">Enter Product ID: </label>
        <input type="text" id="productId" name="productId" required>
        <input type="submit" value="Get Details">
    </form>
</body>
</html>
```

ProductDetails.jsp

```
<%@ page language="java" contentType="text/html; charset=UTF-8"
pageEncoding="UTF-8" %>
<%@ page import="com.example.model.Product" %>
<%@ page import="com.example.DAO.ProductDAO" %>

<!DOCTYPE html>
<html>
<head>
    <meta charset="UTF-8">
    <title>Product Details</title>
</head>
<body>
    <h1>Product Details</h1>
    <%
        int productId =
Integer.parseInt(request.getParameter("productId"));
        ProductDAO productDAO = new ProductDAO();
        Product product = productDAO.getProductById(productId);

        if (product != null) {
    %>
    <table>
        <tr>
            <th>ID</th>
            <th>Name</th>
            <th>Price</th>
        </tr>
        <tr>
            <td><%= product.getId() %></td>
            <td><%= product.getName() %></td>
            <td><%= product.getPrice() %></td>
        </tr>
    </table>
    <%
        } else {
```

```
    %>
    <p>Product not found!</p>
    <%
    }
    %>
</body>
</html>
```

Product.java

```
package com.example.model;

public class Product {
    private int id;
    private String name;
    private double price;
    public int getId() {
        return id;
    }
    public void setId(int id) {
        this.id = id;
    }
    public String getName() {
        return name;
    }
    public void setName(String name) {
        this.name = name;
    }
    public double getPrice() {
        return price;
    }
    public void setPrice(double price) {
        this.price = price;
    }
}
```

ProductDAO.java

```
package com.example.DAO;

import java.sql.Connection;

import java.sql.DriverManager;

import java.sql.PreparedStatement;

import java.sql.ResultSet;

import java.sql.SQLException;

import com.example.model.Product;
```

```

public class ProductDAO {

    private static final String JDBC_DRIVER = "com.mysql.jdbc.Driver";

    private static final String DB_URL =
"jdbc:mysql://localhost:3306/mydatabase33";

    private static final String USER = "root";

    private static final String PASS = "bhanu@12";

    public Product getProductById(int productId) {

        Connection conn = null;

        PreparedStatement stmt = null;

        ResultSet rs = null;

        Product product = null;

        try {

            Class.forName(JDBC_DRIVER);

            conn = DriverManager.getConnection(DB_URL, USER, PASS);

            String sql = "SELECT id, name, price FROM product WHERE
id = ?";

            stmt = conn.prepareStatement(sql);

            stmt.setInt(1, productId);

            rs = stmt.executeQuery();

            if (rs.next()) {

                product = new Product();

                product.setId(rs.getInt("id"));

                product.setName(rs.getString("name"));

                product.setPrice(rs.getDouble("price"));

            }

        }
    }
}

```

```
    } catch (ClassNotFoundException | SQLException e) {

        e.printStackTrace();

    } finally {

        try {

            if (rs != null) rs.close();

            if (stmt != null) stmt.close();

            if (conn != null) conn.close();

        } catch (SQLException e) {

            e.printStackTrace();

        }

    }

    return product;

}

}
```