

## Problem:01

### Problem Statement: XAMPP Installation .

**Problem Description:** XAMPP is the most popular PHP development environment. XAMPP is a completely free, easy to install Apache distribution containing MariaDB, PHP, and Perl. The XAMPP open source package has been set up to be incredibly easy to install and to use.

### Installation Process:

Step 01:At First Download XAMPP Form the following Link:

<https://www.apachefriends.org/download.html>

Step 02:Goto → downloads →And Complete Installation.

The screenshot shows the 'Download' page of the Apache Friends website. The page has a dark blue header with navigation links: Apache Friends, Download, Add-ons, Hosting, Community, and About. There is a search bar and a language selector (EN). The main heading is 'Download'. Below this, a text block states: 'XAMPP is an easy to install Apache distribution containing MariaDB, PHP, and Perl. Just download and start the installer. It's that easy.'

The page is divided into two main sections: 'XAMPP for Windows 7.3.33, 7.4.26 & 8.0.13' and 'XAMPP for Linux 7.3.33, 7.4.26 & 8.0.13'. Each section contains a table with download information.

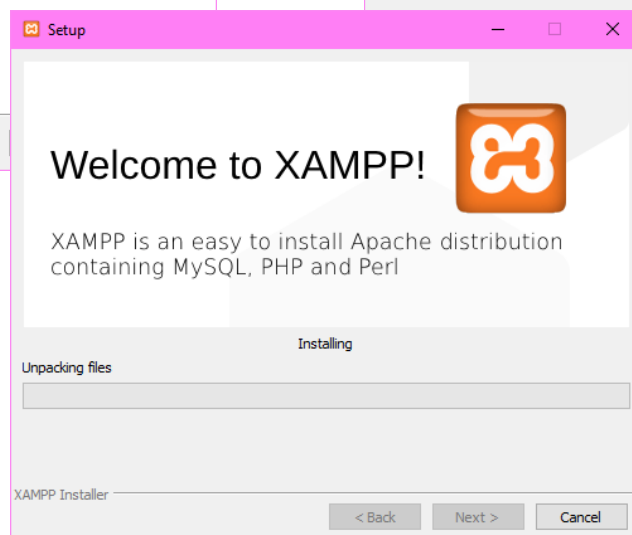
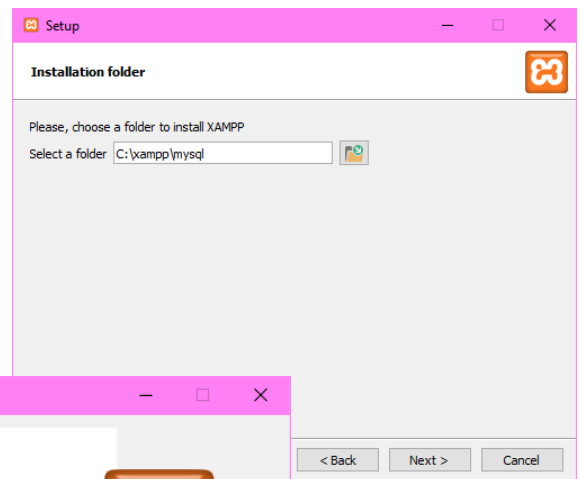
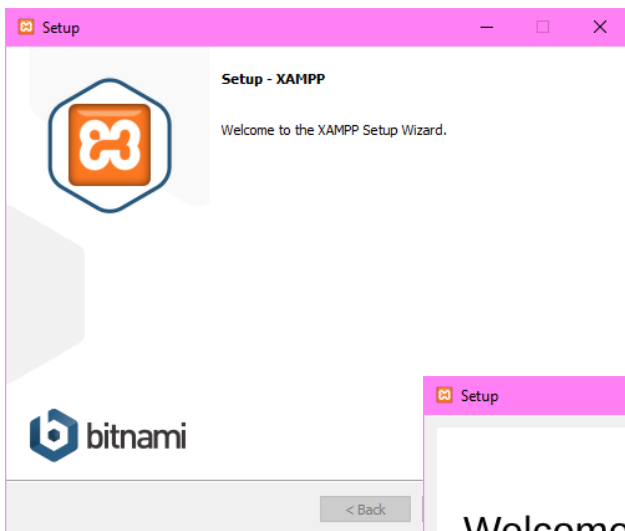
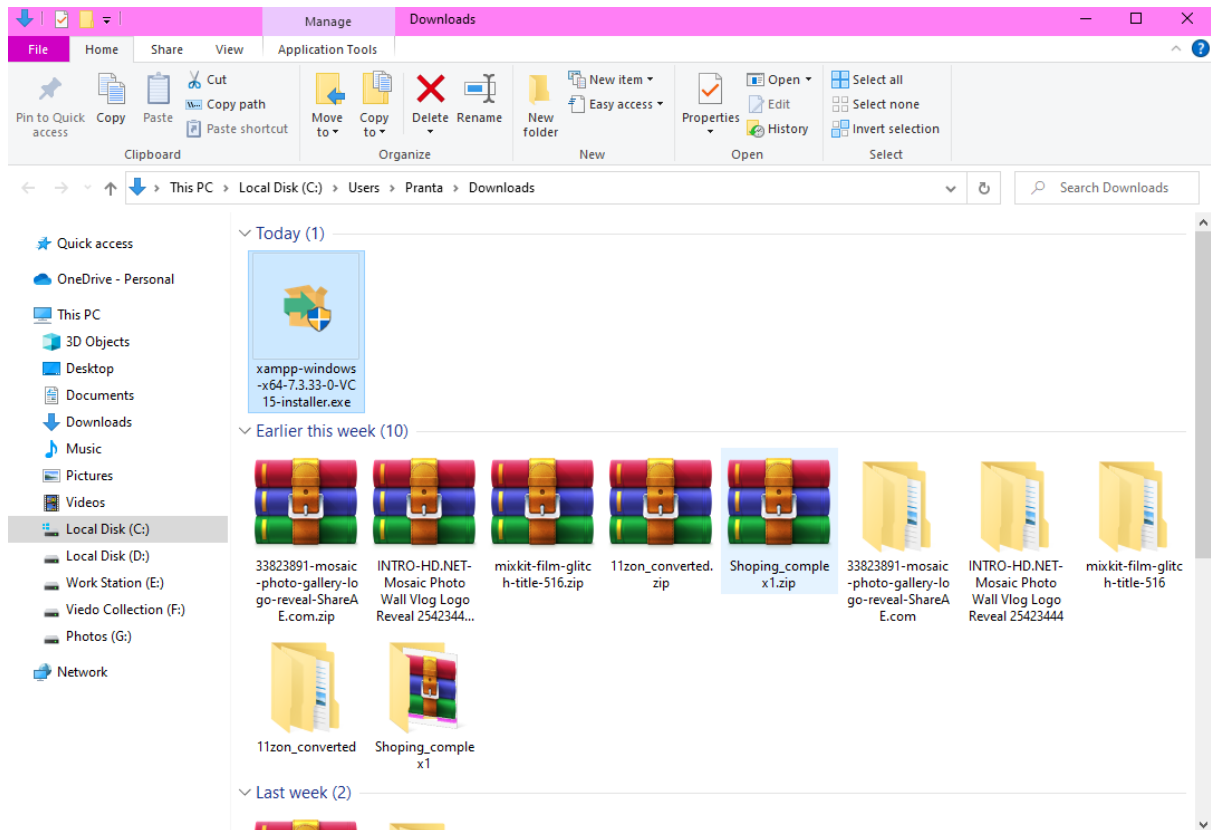
Version	Checksum	Size
7.3.33 / PHP 7.3.33	What's Included? <a href="#">md5</a> <a href="#">sha1</a>	<a href="#">Download (64 bit)</a> 158 Mb
7.4.26 / PHP 7.4.26	What's Included? <a href="#">md5</a> <a href="#">sha1</a>	<a href="#">Download (64 bit)</a> 160 Mb
8.0.13 / PHP 8.0.13	What's Included? <a href="#">md5</a> <a href="#">sha1</a>	<a href="#">Download (64 bit)</a> 161 Mb

Below the Windows section, there are links for 'Requirements', 'Add-ons', and 'More Downloads »'. A note states: 'Windows XP or 2003 are not supported. You can download a compatible version of XAMPP for these platforms here.'

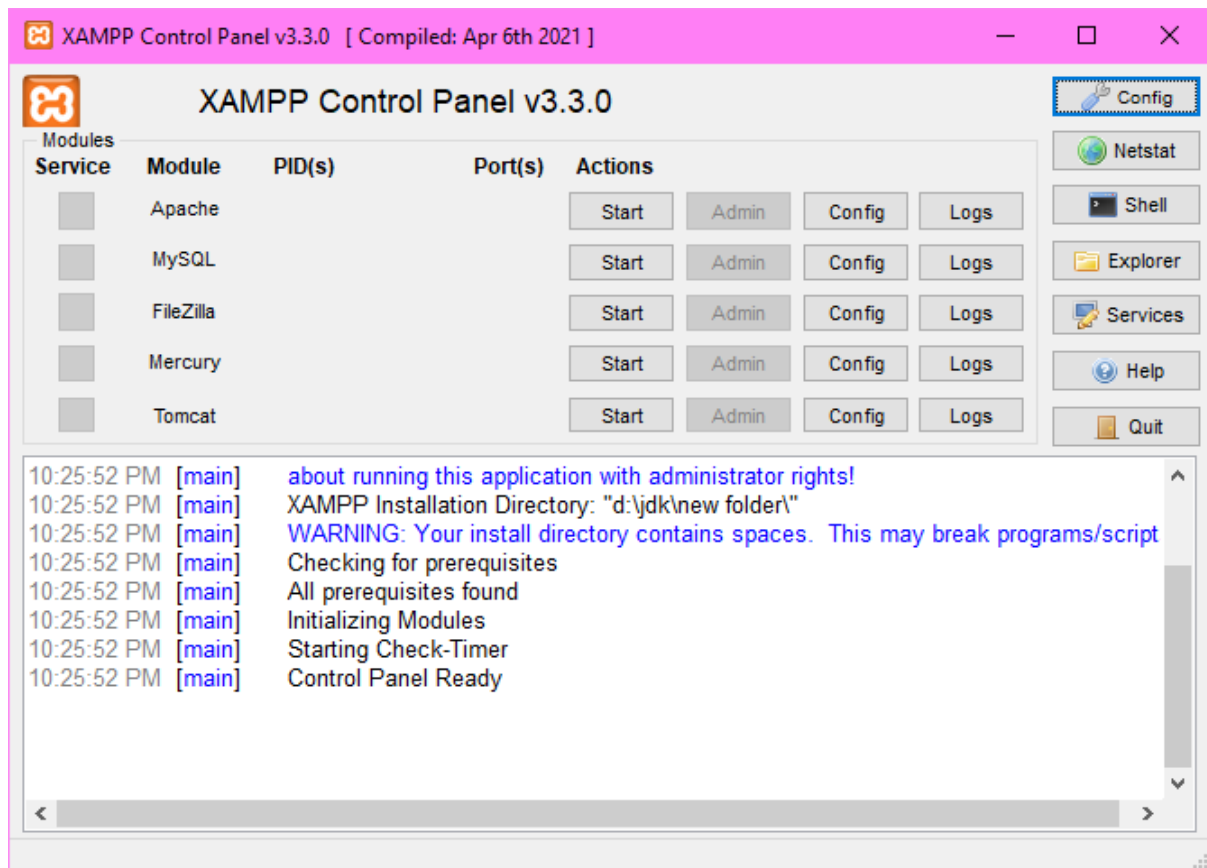
The Linux section follows a similar structure with its own table:

Version	Checksum	Size
7.3.33 / PHP 7.3.33	What's Included? <a href="#">md5</a> <a href="#">sha1</a>	<a href="#">Download (64 bit)</a> 151 Mb
7.4.26 / PHP 7.4.26	What's Included? <a href="#">md5</a> <a href="#">sha1</a>	<a href="#">Download (64 bit)</a> 151 Mb

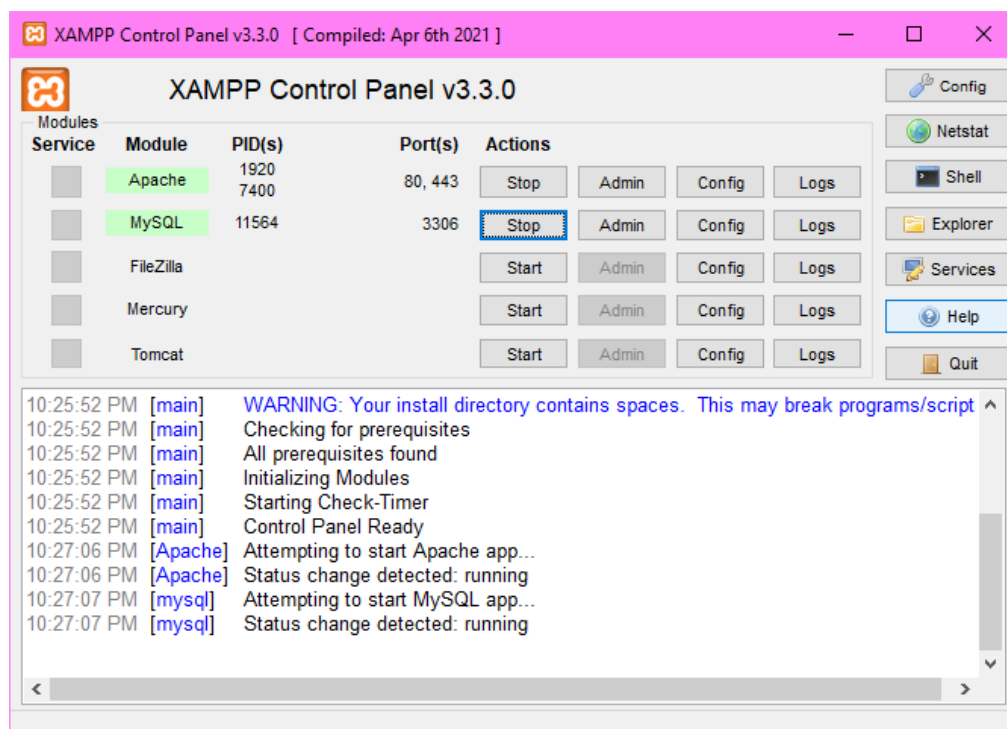
A 'Cookie Settings' button is visible at the bottom right of the page.



**Step 03:** Now Open XAMPP.



**Step 04:** Start Apache And Start My SQL. And here we can see their port numbers.



## **Problem:02**

**Problem Statement:** Smart Shop Management System Project.

**Problem Description:** The Smart Shop Management System Project In Java is developed using Java Programming Language, This Smart Shop Management System Project And MySQL is simple and basic level small project. A Smart Shop Management System Project Java Code allows you to keep the product records and manage them when needed. This is a simple java project with a good and interactive-looking GUI. This Project Use My SQL Database for managing all the data that store in the database. In this project we first need to log in with user ID password. Then we will be able to manage the data of the product of our departmental shop.

### **LOG In Codes:**

```
public class lon_in_page extends javax.swing.JFrame {  
    public lon_in_page() {  
        initComponents();  
        jLabel2.setVisible(false);  
    }  
    private void jTextField1ActionPerformed(java.awt.event.ActionEvent evt)  
    {  
        //GEN-FIRST:event_jTextField1ActionPerformed  
        private void jTextField1FocusGained(java.awt.event.FocusEvent evt) {  
            //GEN-FIRST:event_jTextField1FocusGained  
            jLabel2.setVisible(false);  
            if(jTextField1.getText().equals("Enter User Name"))  
            {
```

```
        jTextField1.setText("");
    }
    }//GEN-LAST:event_jTextField1FocusGained
```

```
private void jTextField1FocusLost(java.awt.event.FocusEvent evt) { //GEN-FIRST:event_jTextField1FocusLost
```

```
    jLabel2.setVisible(false);
    if(jTextField1.getText().equals(""))
    {
        jTextField1.setText("Enter User Name");
    }
    }//GEN-LAST:event_jTextField1FocusLost
```

```
private void jPasswordField1FocusGained(java.awt.event.FocusEvent evt)
{ //GEN-FIRST:event_jPasswordField1FocusGained
```

```
    jLabel2.setVisible(false);
    if(jPasswordField1.getText().equals("Enter Password"))
    {
        jPasswordField1.setText("");
    }
    }
```

```
private void jPasswordField1FocusLost(java.awt.event.FocusEvent evt)
{ //GEN-FIRST:event_jPasswordField1FocusLost
```

```
    jLabel2.setVisible(false);
    if(jPasswordField1.getText().equals(""))
    {
        jPasswordField1.setText("Enter Password");
    }
    }
```

```

    }

    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)
    {
        //GEN-FIRST:event_jButton2ActionPerformed
        if(jTextField1.getText().equals("Admin") &&
        jPasswordField1.getText().equals("admin") )
        {
            setVisible(false);
            new Dashbord().setVisible(true);
        }
        else
            jLabel2.setVisible(true);

        }
        //GEN-LAST:event_jButton2ActionPerformed

    private void jCheckBox1ActionPerformed(java.awt.event.ActionEvent evt)
    {
        //GEN-FIRST:event_jCheckBox1ActionPerformed
        if(jCheckBox1.isSelected())
        {
            jPasswordField1.setEchoChar((char)0);
        }
        else
        {
            jPasswordField1.setEchoChar('*');
        }
    }

```



### Our Dashbord Codes:

```
import javax.swing.JOptionPane;
import javax.swing.table.DefaultTableModel;
import java.sql.DriverManager;
import java.sql.Connection;
import java.sql.SQLException;
import java.sql.Statement;
import java.sql.ResultSet;
import java.util.logging.Level;
import java.util.logging.Logger;

public class Dashbord extends javax.swing.JFrame {

    public Dashbord() {

        initComponents();

    }

    private void jButton3ActionPerformed(java.awt.event.ActionEvent evt)
    {
        //GEN-FIRST:event_jButton3ActionPerformed
        DefaultTableModel model = (DefaultTableModel)jTable1.getModel();
        model.addRow(new Object[]{jtextid.getText(), jtextproduct.getText(),
            jtextqnt.getText(), jtextprice.getText()});
    }
    //GEN-LAST:event_jButton3ActionPerformed
}
```

```

    }
    private void jTable1MouseClicked(java.awt.event.MouseEvent evt) {//GEN-
FIRST:event_jTable1MouseClicked
        DefaultTableModel model = (DefaultTableModel)jTable1.getModel();
        int selectedRowIndex = jTable1.getSelectedRow();
        jtextid.setText(model.getValueAt(selectedRowIndex, 0).toString());
        jtextproduct.setText(model.getValueAt(selectedRowIndex, 1).toString());
        jtextqnt.setText(model.getValueAt(selectedRowIndex, 2).toString());
        jtextprice.setText(model.getValueAt(selectedRowIndex, 3).toString());
    }

    private void jButton2ActionPerformed(java.awt.event.ActionEvent evt)

        String queriesave = "insert into list (Product Name,ID,Price,Quantity)
values
('"+jtextproduct.getText()+"','"+jtextid.getText()+"','"+jtextprice.getText()+"','"+
jtextqnt.getText()+"')";
        System.out.println(queriesave);
        try {
            Class.forName("com.mysql.cj.jdbc.Driver");
            Connection connection = (Connection)
DriverManager.getConnection("jdbc:mysql://3306/shop_management","root",""
);
            Statement statement = connection.createStatement();
            statement.executeUpdate(queriesave);
            statement.close();
            connection.close();

        } catch (ClassNotFoundException ex) {
            Logger.getLogger(Dashbord.class.getName()).log(Level.SEVERE, null,
ex);
        } catch (SQLException ex) {
            Logger.getLogger(Dashbord.class.getName()).log(Level.SEVERE, null,
ex);
        }
    }

    public static void main(String args[]) {
        java.awt.EventQueue.invokeLater(new Runnable() {

```



```

    public void run() {
        new Dashbord().setVisible(true);
    }
});
}

```

Our Dashboard:

ID	Product Name	Quantity	Price
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