

# INDEX

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## **Problem No-01: XAMPP installation and setup in windows.**

XAMPP is a free open source software that provides an easy way for web designers and developers to install the components to run PHP-based software like WordPress, Drupal, Joomla, and others on Windows, Linux, and macOS.

### **How to install XAMPP in Windows**

To download and install XAMPP on Windows, use these steps:

**Step 1:** To download the XAMPP server, visit the "Apache Friends" website in your web browser.

**Step 2:** Click on "XAMPP" for Windows

**Step 3:** Double-click the downloaded file to launch the XAMPP installer.

**Step 4:** "Setup" window will appear on the screen. Then, click on the "Next" button.

**Step 5:** Select the components that you want to install and click on the "Next" button.

**Step 6:** Choose a folder to install the XAMPP and click on the "Next" button.

**Step 7:** Choose a folder to install the XAMPP and click on the "Next" button.

**Step 8:** "Ready to Install" window will appear on the screen, then click on the "Next" button.

**Step 9:** Click on the "Finish" button.

**Step 10:** Select a language. (either English or German) and click on the "Save" button.

### **Configuration Process of XAMPP Server**

**Step 1:** Start the XAMPP control panel through the "Run as administrator" option.

**Step 2:** "XAMPP Control Panel" will appear on the screen and click on "Start" action to start the "Apache" and "MySQL" modules.

#### **Method 1. Change the default port of Apache**

**Step 1:** Open the XAMPP Control Panel.

**Step 2:** In Apache Module Service, click on the "Config" button.

**Step 3:** Click on "Apache (httpd.conf)" option.

**Step 4:** By pressing the "Ctrl + F" key, find the "Listen 80" and replace it with another open port (like 81 or 9080) and save the file.

**Step 5:** Restart the XAMPP Server.

**Step 6:** Again, open the "XAMPP Control Panel" and click on the start option under the "Apache" module services.

### **Method 2. By disabling the Internet Information Services (IIS)**

**Step 1:** From the Start Menu, search for Control Panel.

**Step 2:** Click on "Programs".

**Step 3:** Click on the "Turn Windows Feature on or off" option.

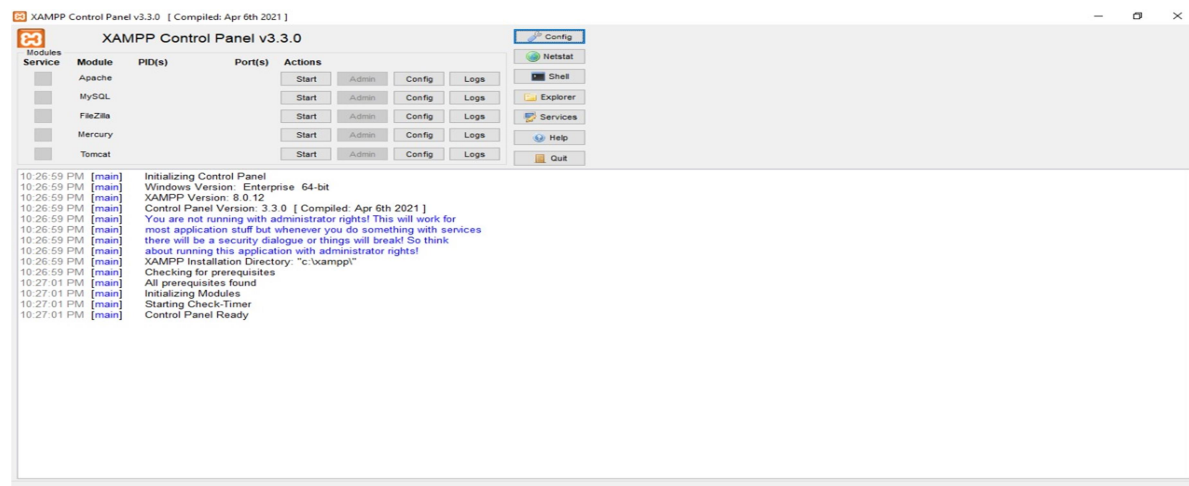
**Step 4:** Uncheck (clear) the "Internet Information Services" option and click on the "OK" button.

**Step 5:** Click on the "Restart Now" option (This will reboot/restart your computer/laptop).

**Step 6:** Again, open the "XAMPP Control Panel" and click on the start option in the "Apache" module services.

### **Conclusion**

By following any of the above methods, you can install and configure the XAMPP server on Windows 10.



## Problem No-2: Project Hotel Management

```
import java.awt.EventQueue;

import javax.swing.JFrame;
import javax.swing.JPanel;
import javax.swing.border.BevelBorder;
import javax.swing.JScrollPane;
import javax.swing.JTable;
import javax.swing.table.DefaultTableModel;
import javax.swing.JLabel;
import javax.swing.JTextField;
import java.awt.Font;
import javax.swing.JButton;
import java.awt.event.ActionListener;
import java.awt.event.ActionEvent;
import javax.swing.JComboBox;

public class Hotel {

    private JFrame frame;
    private JTable table;
    private JTextField textField;
    private JTextField textField_1;
    private JTextField textField_2;
    private JTextField textField_3;
    private JTextField textField_4;
    private JTextField textField_5;
    private JTextField textField_6;
    private JTextField textField_8;
    private JTextField textField_16;
    private JTextField textField_17;
    private JTextField textField_18;

    /**
     * Launch the application.
     */
    public static void main(String[] args) {
        EventQueue.invokeLater(new Runnable() {
            public void run() {
                try {
                    Hotel window = new Hotel();
                    window.frame.setVisible(true);
                } catch (Exception e) {
                    e.printStackTrace();
                }
            }
        });
    }
}
```

```

}

/**
 * Create the application.
 */
public Hotel() {
    initialize();
}

/**
 * Initialize the contents of the frame.
 */
private void initialize() {
    frame = new JFrame();
    frame.setBounds(0, 0, 1470, 800);
    frame.setDefaultCloseOperation(JFrame.EXIT_ON_CLOSE);
    frame.getContentPane().setLayout(null);

    JPanel panel = new JPanel();
    panel.setBorder(new BevelBorder(BevelBorder.LOWERED, null, null, null, null));
    panel.setBounds(22, 23, 278, 730);
    frame.getContentPane().add(panel);
    panel.setLayout(null);

    JLabel lblNewLabel = new JLabel("Customer Ref");
    lblNewLabel.setBounds(22, 21, 75, 35);
    lblNewLabel.setFont(new Font("Tahoma", Font.BOLD, 10));
    panel.add(lblNewLabel);

    textField = new JTextField();
    textField.setBounds(107, 21, 148, 35);
    panel.add(textField);
    textField.setColumns(10);

    JLabel lblNewLabel_1 = new JLabel("First Name");
    lblNewLabel_1.setBounds(22, 77, 56, 13);
    lblNewLabel_1.setFont(new Font("Tahoma", Font.BOLD, 10));
    panel.add(lblNewLabel_1);

    textField_1 = new JTextField();
    textField_1.setBounds(107, 66, 148, 35);
    panel.add(textField_1);
    textField_1.setColumns(10);

    JLabel lblNewLabel_2 = new JLabel("Sur Name");
    lblNewLabel_2.setBounds(22, 122, 56, 13);
    lblNewLabel_2.setFont(new Font("Tahoma", Font.BOLD, 10));
    panel.add(lblNewLabel_2);

    textField_2 = new JTextField();
    textField_2.setBounds(107, 111, 148, 35);

```

```
panel.add(textField_2);
textField_2.setColumns(10);

JLabel lblNewLabel_3 = new JLabel("Address");
lblNewLabel_3.setBounds(22, 171, 45, 13);
lblNewLabel_3.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_3);

textField_3 = new JTextField();
textField_3.setBounds(107, 160, 148, 35);
panel.add(textField_3);
textField_3.setColumns(10);

JLabel lblNewLabel_4 = new JLabel("Post Code");
lblNewLabel_4.setBounds(22, 219, 56, 13);
lblNewLabel_4.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_4);

textField_4 = new JTextField();
textField_4.setBounds(107, 211, 148, 29);
panel.add(textField_4);
textField_4.setColumns(10);

JLabel lblNewLabel_5 = new JLabel("Mobile");
lblNewLabel_5.setBounds(22, 265, 45, 13);
lblNewLabel_5.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_5);

textField_5 = new JTextField();
textField_5.setBounds(107, 257, 148, 29);
panel.add(textField_5);
textField_5.setColumns(10);

JLabel lblNewLabel_6 = new JLabel("Email");
lblNewLabel_6.setBounds(22, 306, 45, 19);
lblNewLabel_6.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_6);

textField_6 = new JTextField();
textField_6.setBounds(107, 296, 148, 29);
panel.add(textField_6);
textField_6.setColumns(10);

JLabel lblNewLabel_7 = new JLabel("Gender");
lblNewLabel_7.setBounds(22, 343, 45, 13);
lblNewLabel_7.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_7);

JLabel lblNewLabel_8 = new JLabel("Date of Birth");
lblNewLabel_8.setBounds(22, 379, 75, 19);
lblNewLabel_8.setFont(new Font("Tahoma", Font.BOLD, 10));
```

```
panel.add(lblNewLabel_8);

textField_8 = new JTextField();
textField_8.setBounds(107, 374, 148, 29);
panel.add(textField_8);
textField_8.setColumns(10);

JLabel lblNewLabel_9 = new JLabel("Nationality");
lblNewLabel_9.setBounds(22, 429, 56, 13);
lblNewLabel_9.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_9);

JLabel lblNewLabel_10 = new JLabel("New label");
lblNewLabel_10.setBounds(35, 510, 37, -21);
panel.add(lblNewLabel_10);

JLabel lblNewLabel_11 = new JLabel("Prove of ID");
lblNewLabel_11.setBounds(22, 476, 75, 19);
lblNewLabel_11.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_11);

JLabel lblNewLabel_12 = new JLabel("Check in date");
lblNewLabel_12.setBounds(22, 517, 75, 19);
lblNewLabel_12.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_12);

JLabel lblNewLabel_13 = new JLabel("Check out date");
lblNewLabel_13.setBounds(22, 546, 75, 19);
lblNewLabel_13.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_13);

JLabel lblNewLabel_14 = new JLabel("Room type");
lblNewLabel_14.setBounds(22, 610, 75, 21);
lblNewLabel_14.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_14);

JLabel lblNewLabel_15 = new JLabel("Room No");
lblNewLabel_15.setBounds(22, 653, 45, 13);
lblNewLabel_15.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_15);

JLabel lblNewLabel_16 = new JLabel("Room Ext No");
lblNewLabel_16.setBounds(22, 689, 75, 21);
lblNewLabel_16.setFont(new Font("Tahoma", Font.BOLD, 10));
panel.add(lblNewLabel_16);

JComboBox comboBox = new JComboBox();
comboBox.setBounds(107, 685, 148, 29);
panel.add(comboBox);

JComboBox comboBox_1 = new JComboBox();
```

```

comboBox_1.setBounds(107, 645, 148, 29);
panel.add(comboBox_1);

JComboBox comboBox_2 = new JComboBox();
comboBox_2.setBounds(107, 606, 148, 29);
panel.add(comboBox_2);

JComboBox comboBox_3 = new JComboBox();
comboBox_3.setBounds(107, 425, 148, 29);
panel.add(comboBox_3);

JComboBox comboBox_4 = new JComboBox();
comboBox_4.setBounds(107, 471, 148, 29);
panel.add(comboBox_4);

JComboBox comboBox_5 = new JComboBox();
comboBox_5.setBounds(107, 335, 148, 29);
panel.add(comboBox_5);

JComboBox comboBox_6 = new JComboBox();
comboBox_6.setBounds(107, 567, 148, 29);
panel.add(comboBox_6);

JLabel lblNewLabel_20 = new JLabel("Meal");
lblNewLabel_20.setFont(new Font("Tahoma", Font.BOLD, 10));
lblNewLabel_20.setBounds(22, 575, 56, 25);
panel.add(lblNewLabel_20);

JPanel panel_1 = new JPanel();
panel_1.setBorder(new BevelBorder(BevelBorder.LOWERED, null, null, null, null));
panel_1.setBounds(347, 23, 1120, 529);
frame.getContentPane().add(panel_1);
panel_1.setLayout(null);

JScrollPane scrollPane = new JScrollPane();
scrollPane.setBounds(37, 30, 1051, 470);
panel_1.add(scrollPane);

table = new JTable();
table.setModel(new DefaultTableModel(
    new Object[][] {
        {null, "", null, null, null, null, null, null, null, null, null, null, null, null},
    },
    new String[] {
        "CustomerRef", "FirstName", "SurName", "Address", "Post Code", "Mobile", "Email",
        "Gender", "Date of Birth", "Nationality", "Prove of ID", "Check in Date", "Check out Date",
        "Room type", "Room No", "Room Ext No"
    }
));
scrollPane.setViewportViewView(table);

```



```
JPanel panel_2 = new JPanel();
panel_2.setBorder(new BevelBorder(BevelBorder.LOWERED, null, null, null, null));
panel_2.setBounds(347, 601, 963, 127);
frame.getContentPane().add(panel_2);
panel_2.setLayout(null);
```

```
JLabel lblNewLabel_17 = new JLabel("Tax");
lblNewLabel_17.setFont(new Font("Tahoma", Font.BOLD, 12));
lblNewLabel_17.setBounds(29, 21, 45, 13);
panel_2.add(lblNewLabel_17);
```

```
JLabel lblNewLabel_18 = new JLabel("Sub Total");
lblNewLabel_18.setFont(new Font("Tahoma", Font.BOLD, 12));
lblNewLabel_18.setBounds(10, 59, 64, 13);
panel_2.add(lblNewLabel_18);
```

```
JLabel lblNewLabel_19 = new JLabel("Total");
lblNewLabel_19.setFont(new Font("Tahoma", Font.BOLD, 12));
lblNewLabel_19.setBounds(29, 92, 45, 13);
panel_2.add(lblNewLabel_19);
```

```
textField_16 = new JTextField();
textField_16.setBounds(93, 18, 115, 25);
panel_2.add(textField_16);
textField_16.setColumns(10);
```

```
textField_17 = new JTextField();
textField_17.setBounds(94, 59, 115, 23);
panel_2.add(textField_17);
textField_17.setColumns(10);
```

```
textField_18 = new JTextField();
textField_18.setBounds(93, 92, 115, 25);
panel_2.add(textField_18);
textField_18.setColumns(10);
```

```
JButton btnNewButton = new JButton("Total");
btnNewButton.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
    }
});
btnNewButton.setFont(new Font("Tahoma", Font.BOLD, 18));
btnNewButton.setBounds(244, 21, 115, 99);
panel_2.add(btnNewButton);
```

```
JButton btnNewButton_1 = new JButton("Update");
btnNewButton_1.setFont(new Font("Tahoma", Font.BOLD, 18));
btnNewButton_1.setBounds(369, 21, 115, 99);
panel_2.add(btnNewButton_1);
```

```
JButton btnNewButton_2 = new JButton("Delete");
```

```

btnNewButton_2.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
    }
});
btnNewButton_2.setFont(new Font("Tahoma", Font.BOLD, 18));
btnNewButton_2.setBounds(494, 21, 106, 99);
panel_2.add(btnNewButton_2);

JButton btnNewButton_3 = new JButton("Reset");
btnNewButton_3.addActionListener(new ActionListener() {
    public void actionPerformed(ActionEvent e) {
    }
});
btnNewButton_3.setFont(new Font("Tahoma", Font.BOLD, 18));
btnNewButton_3.setBounds(610, 21, 106, 99);
panel_2.add(btnNewButton_3);

JButton btnNewButton_4 = new JButton("Print");
btnNewButton_4.setFont(new Font("Tahoma", Font.BOLD, 18));
btnNewButton_4.setBounds(726, 21, 107, 96);
panel_2.add(btnNewButton_4);

JButton btnNewButton_5 = new JButton("Exit");
btnNewButton_5.setFont(new Font("Tahoma", Font.BOLD, 18));
btnNewButton_5.setBounds(847, 18, 106, 99);
panel_2.add(btnNewButton_5);
}
}

```

## Output:

The screenshot shows a Java Swing application window titled "Hotel Management System". The window is divided into three main sections:

- Left Panel (Form):** Contains input fields for customer registration:
  - Customer Ref:
  - First Name:
  - Sur Name:
  - Address:
  - Post Code:
  - Mobile:
  - Email:
  - Gender:
  - Date of Birth:
  - Nationality:
  - Prove of ID:
  - Check in date:
  - Check out da...:
  - Meal:
  - Room type:
  - Room No:
  - Room Ext No:
- Center Panel (Table):** A large table with 16 columns: Customer, First Name, Sur Name, Address, Post Code, Mobile, Email, Gender, Date of Bir, Nationality, Prove of ID, Check in, Check out, Room type, Room No, and Room Ext. The table is currently empty.
- Bottom Panel (Summary and Actions):**
  - Summary fields: Tax , Sub Total , Total .
  - Action buttons: Total, Update, Delete, Reset, Print, Exit.