Set router/Wi-fi/wireless access point/repeater Configuration

INTRODUCTION

The unit of competency "**Set-Up Computer Networks**" deals with the skills, knowledge and attitude in installing and configuring computer systems in accordance with industry standards.
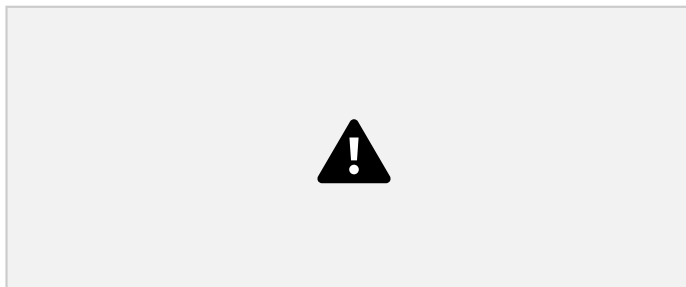
You are required to go through a series of learning activities in order to complete each learning outcome of the learning material. Each learning outcome is provided with *Information Sheets* (Reference Materials for further reading to help you better understand the required activities). Follow these activities on your own and answer the self-check at the end of each learning outcome. If you have questions, don't hesitate to ask your facilitator for assistance.

Configure Client Device Systems
Steps on How to Configure Client Device Settings:
1. Setting up Time and Date
   a. On Windows 10 OS, to set up the Time and Date go to the right bottom of your taskbar see figure below:

   b. Right click on the area of time and date then choose "Adjust date/time". Then the date/time settings will appear.
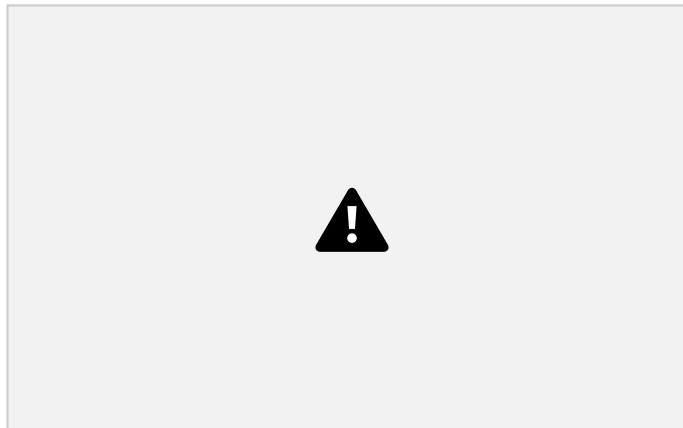
   c. If you wish to set your date/time automatically just click "ON" at "Set Time Automatically". If not, you can turn it off and be the one to set date/time. d. You could also set "Time Zone" it is located below change date and time. You could choose Beijing, Kuala Lumpur or Taipei, Philippines is none on the choices just choose a Time Zone that much on our
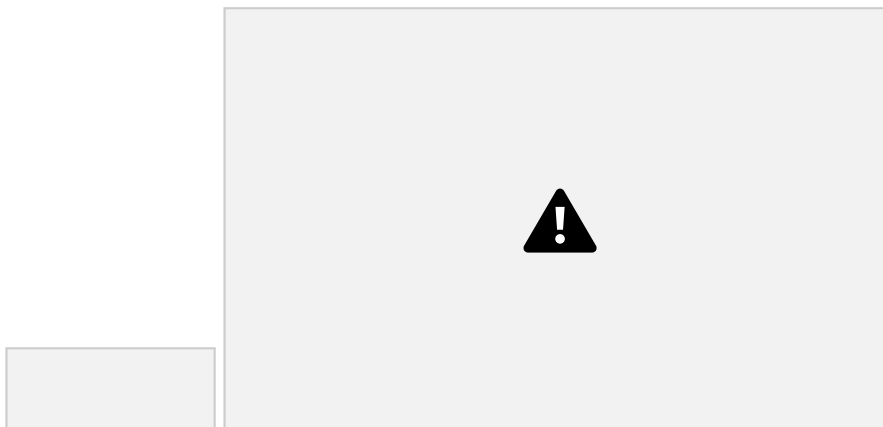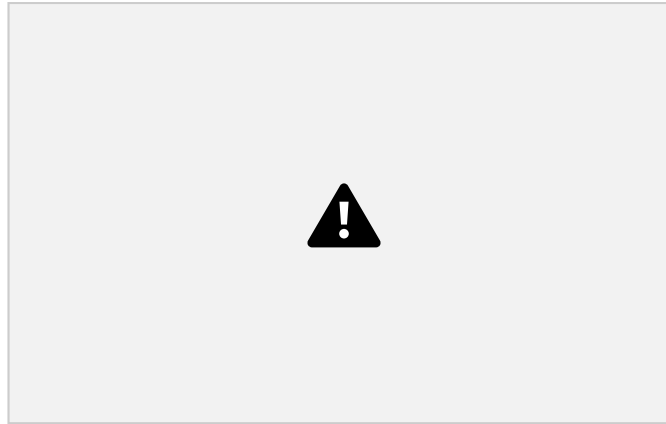
Time "UTC+8".

2. Set up Computer Name

    a. In setting up your Computer Name, Go to Start Menu and search for "My PC", and other Windows OS version you can find it on Desktop a Computer Icon with a name of "My Computer". For Win10, please see figure below:

    b. Then "Control Panel" will appear. Click on "Change Settings" button that is shown below:

    c. After clicking "Change Settings", another Set Up will appear. You can now   change the "Computer Description" and "Computer Name." As shown on figure below:

▪ **Note:** Setting up your Computer Name is important. This will serve as the   Identity of your computer. It will be useful when it comes on setting up your Computer Network. The Server/The   Network   will   identify   what   PC   is   being connected or configured.
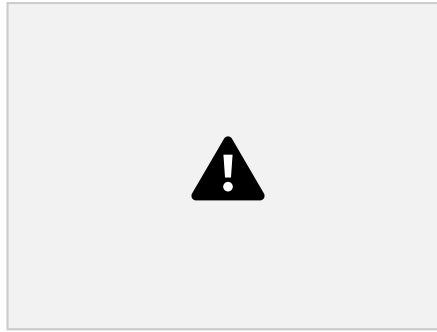
3. Install and Configure Network Driver

a. In every personal computer, it is necessary to install a network driver so that your computer will have an access on every network connection it may need. The first step to do is to select a Compatible driver's pack for your PC. Depends on your OS. Below is an example:

There are different versions of DriverPack Solution: 15, 14, 13, 12, 11, 10 & 8. You should be careful on choosing a driver pack; it should be compatible with your PC specification.
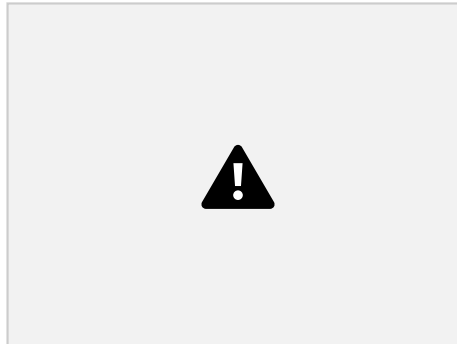
After the installation of your network driver, you are ready to configure your   network. To configure the network of your PC, Right-click on your network connection. You'll see this in your System Tray. If you are connecting your computers through a switch with no router, you'll need to assign each computer on the network its own

individual IP address. This process is handled automatically if you're using a router. Think of an IP address as a mailing address. Each computer on the network needs a unique IP address so that information   sent   across   the   network   reaches   the   correct destination.

  A. Right-click on your network connection.

  B. Click Open Network and Sharing Center.

  C. Click the Ethernet link at the top of the window. You'll see this next to "Connections."
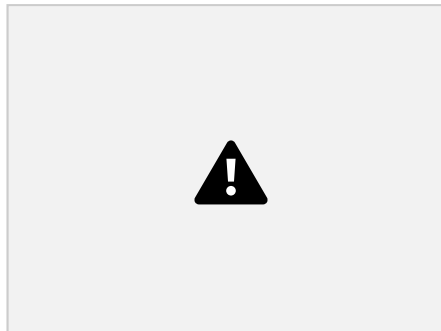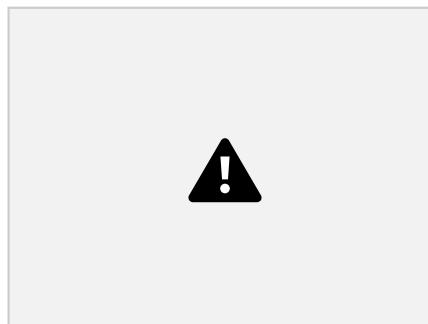
D. Click Properties.

E. Click Internet Protocol Version 4 (TCP/IPv4). Make sure you
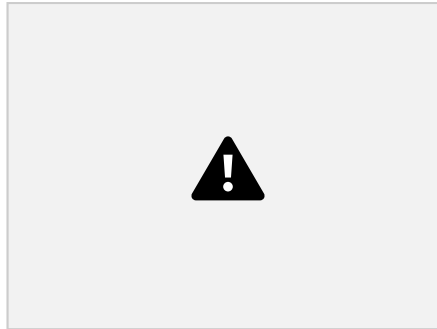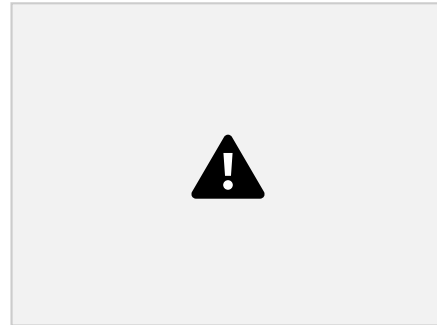don't uncheck it, just highlight it.

F. Click Properties.

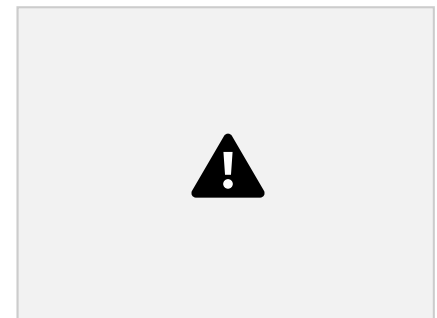G. Click the Use the following IP Address radio button.

H. Type 192.168.1.50 into the IP address field.
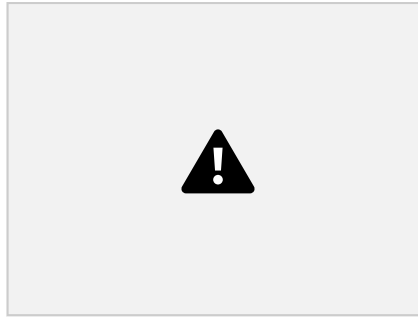

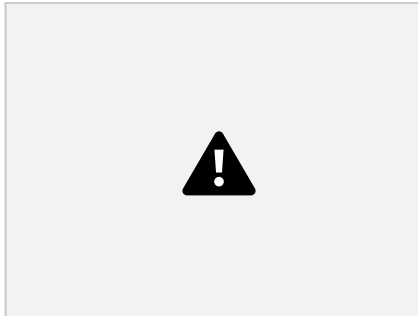I. Type 255.255.0.0 into the Subnet mask field.

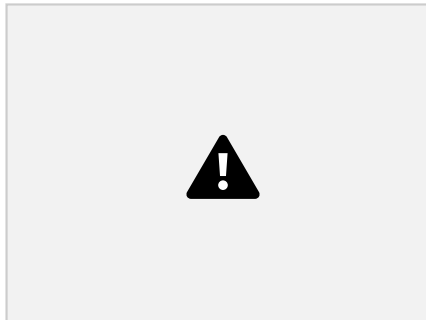J. Type 192.168.0.0 into the Default gateway field.

K. Click OK. This will save the settings for that computer. This computer is now configured on your network with a unique IP address.
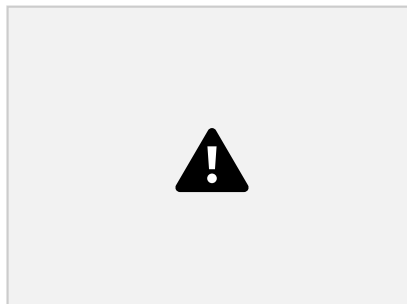
L. Open the Internet Protocol Version 4 properties on the next computer. Follow the steps above on the second computer to open the Internet Protocol Version 4 (TCP/IPv4) Properties window.

M. Click the Use the following IP Address radio button.

N. Type192.168.1.51 into the IP address field. Notice that the final group of numbers has incremented by 1.

O. Enter the same values for Subnet Mask and Default Gateway. These values should be the same as they were on the first computer (255.255.0.0 and 192.168.0.0 respectively)

4. Install necessary software application e.i MS Office and Anti virus a. You may install necessary software applications for your PC like MS Office and an Antivirus. See figures below for references: