



Republic of the Philippines  
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*Balance | Integrity | Stewardship | Uprightness*



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## Questions:

### 1. What happen when your device is connected to the Wi-Fi?

- When my device connects to Wi-Fi, it can now access to the internet and I can browse websites, play online games, or stream videos. Technically, my device connects to the router using wireless signals, and the router gives my device an IP address through DHCP so it can communicate properly in the network and reach online servers.

### 2. How are data sent and received?

- Data are sent and received in small pieces called packets. When I open a website, my device sends packets through the router to the internet. The server receives those packets, processes my request, and sends back response packets that my device puts together to display what I see on the screen.

### 3. How to find the DHCP server in your home Wi-Fi?

- I can find the DHCP server by going to my router settings. Usually, I type something like 192.168.1.1 or 192.168.0.1 in the browser, then log in using the admin account. Inside the network or LAN settings, there's a section showing the DHCP info. Another way is to open Command Prompt and type ipconfig /all and on the output there's a line that says "DHCP Server" will show its address.