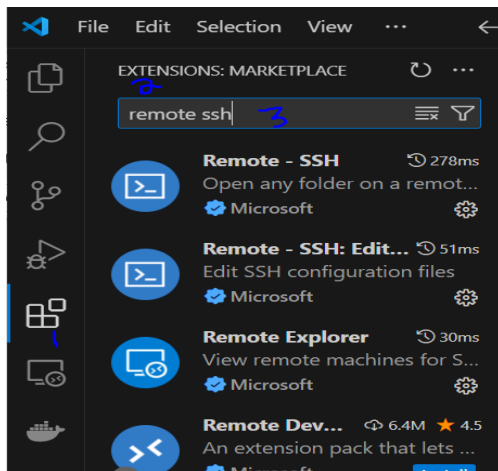# Remote Development with Visual Studio Code on AWS EC2:

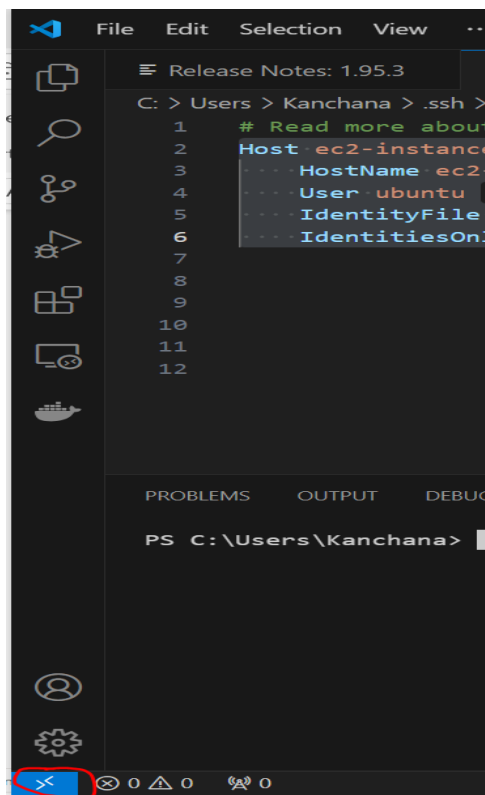**Frist, we need to launch ec2 instances**

configure SSH in VS Code:

[] Open vs code.

1. Click that button.
2. In extension:marcketplace.
3. Search and download remote ssh.

[] in bottom click the button.

[] select connect Host

[] select ssh configure hosts

[] select `C:/Users/kanchana/.ssh/config`

[] we will get file paste below content

```
Host ec2-instance
    HostName ec2-35-89-130-22.us-west-2.compute.amazonaws.com
    User ubuntu
    IdentityFile C:/Users/Kanchana/Downloads/testing-vscode.pem
    IdentitiesOnly yes
```

Host ec2-instance **(name of the file)**

      HostName ec2-35-89-130-22.us-west-2.compute.amazonaws.com (**copy the content of Public IPv4 DNS of Ec2 instance**).

      User ubuntu (**Platform of ec2 instance**)

      IdentityFile C:/Users/Kanchana/Downloads/testing-vscode.pem (path of the .pem key)

      IdentitiesOnly yes

[] save (ctrl S).

[] then click the bottom blue colored button.

[] select connect Host.

[] we will get file name which we created (example above file mentioned **ec2-instance**) this name will get.

[] select server type (**Linux or windows**).

[] select continue.

[] in left corner we will get **SSH:ec2-instance (file name).**

If we get any error like permission error/unable to establish the connection.

Start the SSH Adgent: Open **Git Bash** (or another terminal that supports SSH on Windows) and run:
[] eval $(ssh-agent)

Add your SSH key to the agent:

```
[] ssh-add C:/path/to/testing-vscode.pem (.pem key path)
```

Check if the key is loaded:
```
[] ssh-add -l
```

```
After this command we will get
2048 SHA256:52krUrOUMvFUzrWel9Y/k1I4YNfu7XZTJo3b72dLH08
C:/Users/Kanchana/Downloads/testing-vscode.pem (RSA)
```

[] it means connection success.

To exit from the SSH connection:

[] In the VS Code terminal, type the following command and press **Enter**:

    [] exit

[] Alternatively, you can also use the **Command Palette**:

1. Press `Ctrl + Shift + P` (or `Cmd + Shift + P` on macOS).
2. Type `Remote-SSH: Close Remote Connection` and select it