

Quiz: Python Virtual Environments

1. What Python package is needed in order to install a virtual environment?
 - a. **virtualenv or venv**
 - b. HyperV
 - c. VMWare
2. If I install a python library into an activated virtual environment using pip , is it shared by other environments?
 - a. Libraries I install with pip are shared across all environments
 - b. Libraries I install with pip are shared by default but can be isolated if I choose
 - c. **Libraries I install with pip are isolated to the activated virtual environment by default**
3. Where are the scripts that activate a virtual environment kept?
 - a. **Under the virtual environment's own folder, in the Scripts directory (Windows) or bin directory (Mac/Linux)**
 - b. Under the system binaries folder - C:\Users\{Username} (Windows), /usr/local/bin (Mac/Linux)
 - c. Activation scripts must be written by the user
4. Can I install different versions of python into virtual environments?
 - a. No, virtual environments are always installed using the system's default version of python.
 - b. Yes, but virtual environments do not support more than one environment with the same major version.
 - c. **Yes, any number of versions can be installed using separate environments.**
 - d. No, because only one version of python can exist on a system at any given time, and each installation overwrites the previous installation.