**Dart & Flutter**

**What is the first step for installing Dart on a Windows machine?**

A) Install Homebrew

B) Download the Dart SDK

C) Update your PATH

D) Run Dart Doctor

**ANSWER:**

**B) Download the Dart SDK**

**Which command verifies the Dart installation on macOS?**

A) dart --install

B) dart --check

C) dart --verify

D) dart –version

**ANSWER:**

**D) dart --version**

**What is the next step after downloading and extracting the Flutter SDK on Linux?**

A) Install Homebrew

B) Update your PATH

C) Run Flutter Doctor

D) Create a new Flutter project

**ANSWER:**

**B) Update your PATH**

**What command is used to run a newly created Flutter app?**

A) flutter start

B) flutter build

C) flutter run

D) flutter init

**ANSWER:**

**C) flutter run**

Python Installation

**What is the first step to install Python on a Windows system?**

A) Run the installer without any customization

B) Download Python from the official website

C) Open the terminal and type sudo apt install python

D) Install pip manually

**ANSWER:**

**B) Download Python from the official website**

**Which option should you ensure is checked during Python installation on Windows?**

A) Install with default settings

B) Install to a custom directory

C) Add Python to PATH

D) Install all available features

**ANSWER:**

**C) Add Python to PATH**

**How do you verify Python installation on any system?**

A) By running python --version

B) By restarting your computer

C) By opening the Python installer again

D) By checking the Programs and Features in Control Panel

**ANSWER:**

**A) By running python --version**

**What command is used to install pip on macOS and Linux?**

A) sudo install pip

B) pip install python

C) curl https://bootstrap.pypa.io/get-pip.py -o get-pip.py

D) python --install pip

**ANSWER:**

**A) sudo install pip**

**What is the purpose of a virtual environment in Python?**

A) To keep your projects organized in one folder

B) To install Python in a different directory

C) To separate project dependencies and avoid conflicts

D) To enhance Python performance on your system

**ANSWER:**

**C) To separate project dependencies and avoid conflicts**

MySQL Installation

**What is the first step to install MySQL on Windows?**

A) Download MySQL Shell

B) Download MySQL Installer from the official website

C) Install MySQL Workbench

D) Set up a root password

**ANSWER:**

**B) Download MySQL Installer from the official website**

**What setup type should you choose for a custom MySQL installation?**

A) Developer Default

B) Server Only

C) Full

D) Custom

**ANSWER:**

**D) Custom**

**Which products should you select during the MySQL installation?**

A) MySQL Server, MySQL Workbench, and MySQL Shell

B) Only MySQL Server

C) MySQL Server and MySQL Router

D) MySQL Workbench and MySQL Utilities

**ANSWER:**

**A) MySQL Server, MySQL Workbench, and MySQL Shell**

**What is the purpose of setting a root password during MySQL installation?**

A) To create a user account for your MySQL server

B) To secure your MySQL installation with a super-secret password

C) To activate MySQL Workbench

D) To allow multiple users to access MySQL

**ANSWER:**

**B) To secure your MySQL installation with a super-secret password**

**How do you begin managing your database after installing MySQL?**

A) Start by installing additional plugins

B) Launch MySQL Workbench and connect to your MySQL Server

C) Run mysqladmin start in the terminal

D) Restart your computer to activate MySQL

**ANSWER:**

**B) Launch MySQL Workbench and connect to your MySQL Server**