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Self-Made Assignment - Python

Installing Python and Environment Setup



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Q1. What is Python primarily used for?

- A. Only web design
- B. Only database management
- C. Web development, data analysis, machine learning, and automation
- D. Only creating mobile apps

Q2. What is the first step to install Python on Windows?

- A. Open Command Prompt
- B. Visit <https://www.python.org/downloads/>
- C. Install Homebrew
- D. Download Visual Studio Code

Q3. Which option must you check during Python installation on Windows?

- A. Install for all users
- B. Add Python 3.x to PATH
- C. Enable developer mode
- D. Install pip later

Q4. How can you verify Python installation on Windows?

- A. Run python install test
- B. Check system properties
- C. Type python --version in Command Prompt
- D. Open the Python folder in File Explorer

Q5. What command checks if Python is already installed on macOS?

- A. python --path
- B. python3 --version
- C. check python version
- D. pip3 --version

Q6. Which command installs Python on macOS using Homebrew?

- A. brew python install
- B. install python3
- C. brew install python
- D. setup python3

Q7. Which of the following IDEs comes automatically with Python?

- A. VS Code
- B. PyCharm
- C. IDLE
- D. Jupyter Notebook



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Q8. What command creates a virtual environment in Python?

- A. python make env myenv
- B. python -m venv myenv
- C. create env myenv
- D. python venv create myenv



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Q9. How do you activate a virtual environment on Windows?

- A. source myenv/bin/activate
- B. activate myenv.bat
- C. myenv\Scripts\activate
- D. env activate



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Q10. How do you install packages like NumPy and Pandas?

- A. pip get numpy pandas
- B. python install numpy pandas
- C. pip install numpy pandas
- D. package install numpy pandas



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Q11. What command deactivates the current Python virtual environment?

- A. deactivate
- B. stopenv
- C. end python
- D. exitenv



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Q12. What does the Python shell prompt look like?

- A. \$\$\$
- B. >>>
- C. ###
- D. ..



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Q13. What is Jupyter Notebook mainly used for?

- A. Compiling Java programs
- B. Interactive Python coding, data analysis, and visualization
- C. Writing HTML web pages
- D. Database management



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Q14. What is one key advantage of Google Colab?

- A. It requires installation on your computer
- B. It only works offline
- C. It provides free GPU access for computation
- D. It cannot use Python libraries



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Q15. How do you start using Google Colab?

- A. Open Terminal and type colab start
- B. Visit <https://colab.research.google.com>
- C. Download Colab from Google Play
- D. Open Jupyter Notebook and import Colab

