

1 Choose the correct answer:

- 1 _____ is used to clean and process data in Python.
a. Pandas b. Matplotlib c. NumPy d. ReLU
- 2 The term "Artificial Intelligence" was officially introduced during the _____ Conference.
a. Dartmouth b. London c. New York d. Oxford
- 3 _____ is the basic unit for building Artificial Neural Networks.
a. Complex algorithm b. The artificial neuron
c. Smart assistant d. Image
- 4 The result of the np.mean() function in Python is usually a/an
a. float (decimal) b. text string
c. integer only d. date format
- 5 _____ is the first step in building an artificial neuron.
a. Summing inputs b. Passing to function
c. Identifying data type d. Output
- 6 The function np.mean() is used to calculate the
a. largest number b. smallest number
c. arithmetic mean d. summing lists
- 7 _____ library is used for scientific calculations.
a. NumPy b. Seaborn c. Matplotlib d. Pandas

2 Put (✓) or (X):

- 1 Data analysis helps in making fact-based decisions. ()
- 2 Artificial intelligence is a brand-new idea that started in 2024. ()
- 3 Humans are the final decision-makers because they have ethics and awareness. ()
- 4 Artificial neurons are used only in translation and not in image recognition. ()
- 5 The activation function acts like a switch to make the final decision. ()
- 6 AI can understand human emotions like joy and sadness perfectly. ()
- 7 Python does not contain libraries to support data analysis. ()
- 8 Smart cameras that recognize faces are a real-life application of neurons. ()