

CS5001 HW2 Written Questions

1. Why do we need Anaconda?

Anaconda is a distribution of Python that simplifies package management and deployment. It provides tools like ``conda`` for managing dependencies and environments, and includes popular libraries for data science, machine learning, and scientific computing, making it easier to set up and manage projects.

2. What is a function?

A function is a reusable block of code that performs a specific task. It can take inputs (parameters), process them, and return an output. Functions help make code modular, easier to read, and maintain.

3. What is a lambda function?

A lambda function is an anonymous, short function defined using the ``lambda`` keyword. It can have any number of input parameters but only one expression. It's often used for small, simple operations that don't require a full function definition.

4. What convention should we follow when naming variables?

Variables should be named using descriptive, meaningful names and follow the `snake_case` convention in Python (i.e., lowercase letters with words separated by underscores). Avoid starting with numbers or using special characters (except ``_``).