Exercise 01:

Instructions: For each statement, rewrite it in both affirmative and negative forms. Pay attention to the use of positive and negative constructions.

1. Example: Python is a high-level programming language.
    - Affirmative: Python is a high-level programming language.
    - Negative: Python is not a low-level programming language.
2. Java supports object-oriented programming principles.
3. Cloud computing enables remote access to computing resources.
4. The algorithm efficiently sorts the data in ascending order.
5. HTML is used for creating the structure of web pages.
6. Machine learning algorithms require labeled training data.
7. Cybersecurity measures protect systems from unauthorized access.
8. Software development often involves debugging to find and fix errors.
9. JavaScript is only used for client-side scripting.
10. SQL is a language for managing and manipulating relational databases.

Exercise Three:

Instructions: Complete each sentence by choosing the correct form (singular or plural) of the word in parentheses.

1. Modern _____ (algorithm/algorithms) are designed to efficiently solve complex problems.
2. The programmer wrote a detailed _____ (instruction/instructions) for the software installation.
3. Artificial intelligence involves the development of sophisticated _____ (model/models) for machine learning.
4. The team encountered several unexpected _____ (issue/issues) during the software development process.
5. The network administrator monitors the performance of all connected _____ (device/devices).
6. Cybersecurity measures are crucial for protecting sensitive _____ (data/datas) from unauthorized access.
7. Python and Java are both popular _____ (programming language/languages) used in software development.
8. The software engineer debugged the program to eliminate potential _____ (bug/bugs).
9. In the field of computer science, various _____ (framework/frameworks) are available for web development.
10. The database administrator is responsible for managing multiple _____ (database/databases) efficiently.

Solutions :

Task 1

1. Example: Python is a high-level programming language.
    - Affirmative: Python is a high-level programming language.
    - Negative: Python is not a low-level programming language.
2. Java supports object-oriented programming principles.
    - Affirmative: Java supports object-oriented programming principles.
    - Negative: Java does not reject object-oriented programming principles.
3. Cloud computing enables remote access to computing resources.
    - Affirmative: Cloud computing enables remote access to computing resources.
    - Negative: Cloud computing does not restrict access to local computing resources.
4. The algorithm efficiently sorts the data in ascending order.
    - Affirmative: The algorithm efficiently sorts the data in ascending order.
    - Negative: The algorithm does not inefficiently sort the data in descending order.
5. HTML is used for creating the structure of web pages.
    - Affirmative: HTML is used for creating the structure of web pages.
    - Negative: HTML is not used for creating the chaos of web pages.
6. Machine learning algorithms require labeled training data.
    - Affirmative: Machine learning algorithms require labeled training data.
    - Negative: Machine learning algorithms do not operate without labeled training data.
7. Cybersecurity measures protect systems from unauthorized access.
    - Affirmative: Cybersecurity measures protect systems from unauthorized access.
    - Negative: Cybersecurity measures do not leave systems vulnerable to unauthorized access.
8. Software development often involves debugging to find and fix errors.
    - Affirmative: Software development often involves debugging to find and fix errors.
    - Negative: Software development does not always exclude debugging to find and fix errors.
9. JavaScript is only used for client-side scripting.
    - Affirmative: JavaScript is used for client-side scripting.
    - Negative: JavaScript is not used exclusively for client-side scripting.
10. SQL is a language for managing and manipulating relational databases.
    - Affirmative: SQL is a language for managing and manipulating relational databases.
    - Negative: SQL is not a language for ignoring relational databases.

Task 2

1. Modern **algorithms** are designed to efficiently solve complex problems.

2. The programmer wrote a detailed **set of instructions** for the software installation.
3. Artificial intelligence involves the development of sophisticated **models** for machine learning.
4. The team encountered several unexpected **issues** during the software development process.
5. The network administrator monitors the performance of all connected **devices**.
6. Cybersecurity measures are crucial for protecting sensitive **data** from unauthorized access.
7. Python and Java are both popular **programming languages** used in software development.
8. The software engineer debugged the program to eliminate potential **bugs**.
9. In the field of computer science, various **frameworks** are available for web development.