

1. What is the primary purpose of a list in programming?
 - a) To store only numeric data
 - b) To execute functions
 - c) To store a sequence of elements
 - d) To create dynamic variables
2. What is the first element index in a list or array?
 - a) 1
 - b) 10
 - c) -1
 - d) 0
3. What does the Numbers.sort() method do in Python?
 - a) Reverses the list
 - b) Arranges the list in ascending order
 - c) Deletes elements from the list
 - d) Adds new elements to the list
4. Which of the following correctly declares an empty list in Python?
 - a) `my_list = []`
 - b) `my_list = [0, 0, 0]`
 - c) `my_list = [none]`
 - d) `my_list = ()`
5. Which method removes the last element from a list?
 - a) `remove()`
 - b) `pop()`
 - c) `delete()`
 - d) `erase()`
6. What is a string in programming?
 - a) A sequence of characters
 - b) A sequence of numbers
 - c) A type of loop
 - d) A fixed-size array
7. What does the `len()` function return when applied to a list?
 - a) Total number of elements
 - b) Sum of all elements
 - c) Average of elements
 - d) Largest element
8. What does GUI stand for?
 - a) Graphical Unit Interface
 - b) Graphical User Interface
 - c) General User Interface
 - d) General Unit Interface
9. In UI/UX design, UI stands for:
 - a) User Identifier
 - b) User Interaction
 - c) User Interface
 - d) User Insight
10. What is the main goal when designing a user interface?
 - a) To make it look complex
 - b) To minimize the number of inputs
 - c) To use as many colors as possible
 - d) To meet the needs of the user

11. What is meant by "lower case" in a user interface?
 - a) Capital letters only
 - b) Small letters with no capitalization
 - c) A mix of capital and small letters
 - d) Letters with special characters
12. Which is a key principle of good user interface design?
 - a) Complexity
 - b) Clutter
 - c) Consistency
 - d) Chaos
13. Responsive design in user interfaces means:
 - a) Interface that responds with humor
 - b) Interface that responds to voice commands
 - c) Interface that adapts to different screen sizes and devices
 - d) Interface that changes colors with mood
14. Why might a user interface with unclear instructions cause problems?
 - a) It makes the program run slower
 - b) Users may enter data in the wrong format
 - c) It increases the program's size
 - d) It prevents the program from saving data
15. Which is an example of a user interface element?
 - a) Algorithm
 - b) Database
 - c) Dropdown menu
 - d) Loop
16. Which of the following is a role in the UI design process?
 - a) UX designer
 - b) Database administrator
 - c) System administrator
 - d) Network engineer
17. What is typically considered good practice in programming?
 - a) Writing code without comments
 - b) Ignoring naming conventions
 - c) Making code as complex as possible
 - d) Using clear comments, following conventions, keeping code simple
18. What is a benefit of using meaningful variable names?
 - a) They make the code easier to understand
 - b) They make the code run faster
 - c) They reduce the size of the program
 - d) They prevent all bugs
19. What does indentation in code help with?
 - a) Increasing program speed
 - b) Marking the start and end of control structures
 - c) Adding comments to the code
 - d) Reducing the number of variables
20. What does code portability mean?
 - a) Ability to transfer code between languages
 - b) Code that works only on one computer
 - c) Code runs on different systems without modification
 - d) Process of documenting code