

Python List Programs

1. Create a list of student names and print the second and last student.
2. Create a list of 5 fruits and print all using a loop.
3. Create a list of numbers and print only even-indexed elements.
4. Access and print a slice of a list using range (slicing).
5. Create a list with mixed data types and access each type.
6. Append elements to a list dynamically using user input.
7. Copy a list and show the difference between original and copied list.
8. Count how many times a number appears in a list.
9. Use `insert()` to add a value at a specific index.
10. Use `pop()` to remove and display the last item.
11. Use `remove()` to delete a specific item by value.
12. Use `clear()` to empty the entire list and print it.
13. Create a list of numbers and sort them in ascending and descending order.
14. Reverse a list using `reverse()` method and print both original and reversed list.
15. Find the index of a given element using `index()` and print it.