

Question 1

Create a list: named `favorite_fruits` that contains at least three of your favorite fruits as strings.

Question 2

Access an element: From the `favorite_fruits` list, use indexing to print the second fruit in the list.

Question 3

Find the length: Use a built-in function to find and print the number of items in the `favorite_fruits` list.

Question 4

Mixed data types: Create a list named `student_info` that contains a student's name (string), age (integer), and GPA (float).

Question 5

Negative indexing: From a list of numbers `[10, 20, 30, 40, 50]`, use a negative index to print the last element.

Question 6

Change an element: Given the list `colors = ["red", "green", "blue"]`, change the second element to "yellow". Print the updated list.

Question 7

Add an element: To the end of the `colors` list, add the string "purple" using a list method. Print the new list.

Question 8

Remove an element by index: Given `letters = ['a', 'b', 'c', 'd']`, use the `pop()` method to remove the third element. Print the removed element and the new list.

Question 9

Basic slicing: From the list `alphabet = ['a', 'b', 'c', 'd', 'e', 'f']`, create a new list called `middle_letters` that contains only the elements 'c', 'd', and 'e'.

Question 10

Remove an element by value: From the list ['a', 'b', 'c', 'd'], remove the element 'c' using a method. Print the new list.