Q1

Create a program that removes duplicate numbers from the list [5, 3, 5, 7, 3, 9] and prints how many unique numbers remain.

Q2

Create a program that stores country codes and names. Start with: EG → Egypt, SA → Saudi Arabia, AE → UAE. Add QA → Qatar and then print the name of the country with the code EG.

Q3

Create a program with a price of 180 and a flag showing the person is a student. If the person is a student and the price is 150 or more, reduce the price by 15. Print the final price.

Q4

Create a program with a list of names that is empty. If the list has no items, print the message: No data available.

Q5

Create a program with the text 'EGP 12.50'. Print only the number 12.50 as a decimal.

Q6

Create a program that calculates the factorial of 6 and prints the result.

Q7

Create a program with the scores [10, 0, 20, 30]. Ignore the zeros, add the other numbers together, and print the total.

Q8

Create a program with a setting called API_URL that is empty. If it is empty, replace it with 'https://example.com'. Print the new value in capital letters.

Q9

Create a program with a page path stored in a variable. If the path is '/', print Home. For any other value, print 404.

Q10

Create a program with the numbers [3, 7, 2, 9, 12, 4, 6]. Print only the numbers that are divisible by 3.

Q11

Create a program with the numbers a = 7, b = 7, c = 10. Check the rule 'a is not equal to c OR b is greater than or equal to a'. Print whether the rule is true or false.

Q12

Create a program with a username that is empty. If the username is empty, print (guest). Otherwise, print the username.

Q13

Create a program with the list of names ['Ali', 'Mona', 'Ali', 'Omar', 'Mona']. Count how many times each name appears. Print only the names that appear more than once.