

Q1

Create a program that declares an integer for birthYear and calculates the age assuming the current year is 2025. Print 'You are X years old'.

Q2

Create a program with the list [5, 10, 15, 20, 25]. Print the average of the numbers.

Q3

Create a program with a set of numbers [3, 6, 9, 3, 12, 15]. Print whether the set contains the number 10.

Q4

Create a program with a map of student names to their marks. Print the name of the student with the highest mark.

Q5

Create a program with a boolean isMember = false and an integer points = 120. If isMember is true and points >= 100, print 'Eligible for reward'. Otherwise, print 'Not eligible'.

Q6

Create a program that prints all numbers from 1 to 20, but only those divisible by 4.

Q7

Create a program with the string 'Welcome to Dart'. Print the string in uppercase and also print its length.

Q8

Create a program with a nullable integer called bonus. If it has a value greater than 50, print 'Big bonus'. If it has a value but less than or equal to 50, print 'Small bonus'. If it is null, print 'No bonus'.

Q9

Create a function that takes two integers as parameters and prints which one is larger.

Q10

Create a function that takes an integer n and returns the sum of all numbers from 1 to n. Print the returned value.

Q11

Create a function that takes a required product name and an optional discount percentage. If the discount is provided, print 'Product has discount %'. If not, print 'Product has no discount'.

Q12

Create a function that takes named parameters firstName, lastName, and an optional named parameter age. Print the full name and, if age is provided, also print 'Age: X'.