

Dart Programs

Write a program to print **Hello I am "John Doe"** and **Hello I'am "John Doe"** with single and double quotes.

Write a program to print your name in Dart.

Declare **constant type** of int set value 7.

Write a program in Dart that finds simple interest. Formula= $(p * t * r) / 100$

Write a program to print a square of a number using user input.

Write a program to print full name of a from first name and last name using user input.

Write a program to find quotient and remainder of two integers.

Write a program to swap two numbers.

Write a program in Dart to remove all whitespaces from String.

Write a Dart program to convert String to int.

Suppose, you often go to restaurant with friends and you have to split amount of bill. Write a program to calculate split amount of bill. Formula= (total bill amount) / number of people

Dart Programs

Suppose, your distance to office from home is 25 km and you travel 40 km per hour. Write a program to calculate time taken to reach office in minutes. Formula= (distance) / (speed)

Write a dart program to check if the number is odd or even.

Write a dart program to check whether a character is a vowel or consonant.

Write a dart program to check whether a number is positive, negative, or zero.

Write a dart program to print your name 100 times.

Write a dart program to calculate the sum of natural numbers.

Write a dart program to generate multiplication tables of 5.

Write a dart program to generate multiplication tables of 1-9.

Write a dart program to create a simple calculator that performs addition, subtraction, multiplication, and division.

Write a dart program to print 1 to 100 but not 41.

Write a program in Dart to print your own name using function.

Dart Programs

Write a program in Dart to print even numbers between intervals using function.

Create a function called greet that takes a name as an argument and prints a greeting message. For example, greet("John") should print "Hello, John".

Write a program in Dart that generates random password.

Write a program in Dart that find the area of a circle using function.

Formula: $\pi * r * r$

Write a program in Dart to reverse a String using function.

Write a program in Dart to calculate power of a certain number. For e.g $5^3=125$

Write a function in Dart named add that takes two numbers as arguments and returns their sum.

Write a function in Dart called maxNumber that takes three numbers as arguments and returns the largest number.

Write a function in Dart called isEven that takes a number as an argument and returns True if the number is even, and False otherwise.

Write a function in Dart called createUser with parameters name, age, and isActive, where isActive has a default value of true.

Dart Programs

Write a function in Dart called calculateArea that calculates the area of a rectangle. It should take length and width as arguments, with a default value of 1 for both. Formula: length * width.

Create a list of names and print all names using list.

Create a set of fruits and print all fruits using loop.

Create a program that reads list of expenses amount using user input and print total.

Create an empty list of type string called days. Use the add method to add names of 7 days and print all days.

Add your 7 friend names to the list. Use where to find a name that starts with alphabet a.

Create a map with name, address, age, country keys and store values to it. Update country name to other country and print all keys and values.

Create a map with name, phone keys and store some values to it. Use where to find all keys that have length 4.

Create a simple to-do application that allows user to add, remove, and view their task.

Write a dart program to create a class Laptop with properties [id, name, ram] and create 3 objects of it and print all details.

Dart Programs

Write a dart program to create a class House with properties [id, name, price]. Create a constructor of it and create 3 objects of it. Add them to the list and print all details.

Write a dart program to create an enum class for gender [male, female, others] and print all values.

Write a dart program to create a class Animal with properties [id, name, color]. Create another class called Cat and extends it from Animal. Add new properties sound in String. Create an object of a Cat and print all details.

Write a dart program to create a class Camera with private properties [id, brand, color, price]. Create a getter and setter to get and set values. Also, create 3 objects of it and print all details.

Create an interface called **Bottle** and add a method to it called **open()**. Create a class called **CokeBottle** and implement the Bottle and print the message "**Coke bottle is opened**". Add a factory constructor to **Bottle** and return the object of **CokeBottle**. Instantiate **CokeBottle** using the factory constructor and call the **open()** on the object.

Create a simple quiz application using oop that allows users to play and view their score.

What is the purpose of the **?** operator in Dart null safety?

Create a **late** variable named **address**, assign a **US** value to it and print it.

Dart Programs

How do you declare a nullable type in Dart null safety?

Write a program in a dart to create an age variable and assign a **null** value to it using **?**.

Write a function that accepts a nullable int parameter and returns 0 if the value is null using null coalescing operator **??**.

Write a function named **generateRandom()** in dart that randomly returns **100** or **null**. Also, assign a return value of the function to a variable named **status** that can't be null. Give status a default value of 0, if **generateRandom()** function returns null.

