# Dart Assignment 1

**Qno1.** Create a class "Student" with every primitive data type available in Dart. (including Collections)

**Qno2.** Create a class "Academy" Associate the class "Student" as a nullable data type in Academy along with 5 different data types.

**Qno3.** Create a class "City" associated with "Academy" and create well-defined objects using constructors with given scenarios.
    **(i)** Create the object with a constructor but independently initialize the values.
    **(ii)** create the object with the constructor and assign the values using the cascade operator.
    **(iii)** create the object with a constructor but initialize the value through helper methods.

**Qno4.** Create a class "FunctionPractice" and create the functions using the following signatures.

**(i)** String Function(int a, int b)
**(ii)** num Function(int a,{String b = 'Hello World'})
**(iii)** bool Function({required num a, required num b})
**(iv)** Student Function(String name,{required int age,required String course})

Also, add a one-line comment explaining the parameter types used in that function.

**Qno5.** Create 6 more functions in the above class that return or require a custom data type. (Note: scenarios must be different from Qno4 signatures.)

**Assignment no 1.** List down all the possible parameter types. (i.e. Default parameters, optional parameters). with a simple example in a Dart File using Isolation.

**Assignment no 2.** User Private Data members outside the class within the same file to experience how private data member works.

**Assignment no 3.** Revise all the previous topics before the upcoming workshop. We'll do a Q&A and Discussion session to map your current progress in Dart.

Wish you the best of Luck!