

Here are 10 problems based on type conversion in Dart, focusing on converting between various data types:

1. **Convert `int` to `String`:** Write a Dart function that takes an integer as input and returns it as a string.
2. **Convert `String` to `int`:** Write a Dart function that converts a numeric string to an integer. Handle possible exceptions for invalid inputs.
3. **Convert `double` to `String`:** Write a function to convert a floating-point number to a string representation.
4. **Convert `String` to `double`:** Create a Dart program that converts a numeric string (with decimals) to a double. Handle any exceptions for invalid inputs.
5. **Convert `bool` to `String`:** Write a function that converts a boolean value (`true` or `false`) into its string representation ("`true`" or "`false`").
6. **Convert `String` to `bool`:** Create a function that takes a string and converts it to a boolean ("`true`" → `true`, "`false`" → `false`). Handle invalid inputs like "`yes`" or "`no`".
7. **Convert `int` to `double`:** Write a program to convert an integer into a double.
8. **Convert `double` to `int`:** Write a Dart function that converts a double to an integer, using truncation.
9. **Convert `List<int>` to `List<String>`:** Create a function that converts a list of integers into a list of strings.
10. **Convert `String` to `DateTime`:** Write a Dart function that converts a valid date string into a `DateTime` object.