

ASSIGNMENT 1

A1) Create a new Flutter project for the default app by using Android Studio. Modify the app and see changes with:

1. Hot reload
2. Hot restart
3. Stop and Re-Run

What is the difference between these choices? (Please write the correct answer to your dart file as a comment.)

A2) We need a program that checks if a given number is prime or not. Complete this Dart code.

Hint: A % operator is used to calculate the modulus.

To compile the program in terminal window type: `dart run .\lib\main.dart`

```
import 'dart:io';

bool isPrime(N) {
    ...
}

void main() {
    print('Enter N');
    var N = int.parse(stdin.readLineSync());
    if (isPrime(N)) {
        print('$N is a prime number.');
    } else {
        print('$N is not a prime number.');
    }
}
```