MAD LAB REPORT

NAME:

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Section:

SE (5-2)

1

Code:

```dart
void main() {
  print('Muhammad Shameel!');
}
```

Screenshot:

```
Run      Practies.dart ×

C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practies\lib\Practies.dart
Muhammad Shameel!

Process finished with exit code 0
```

2
code
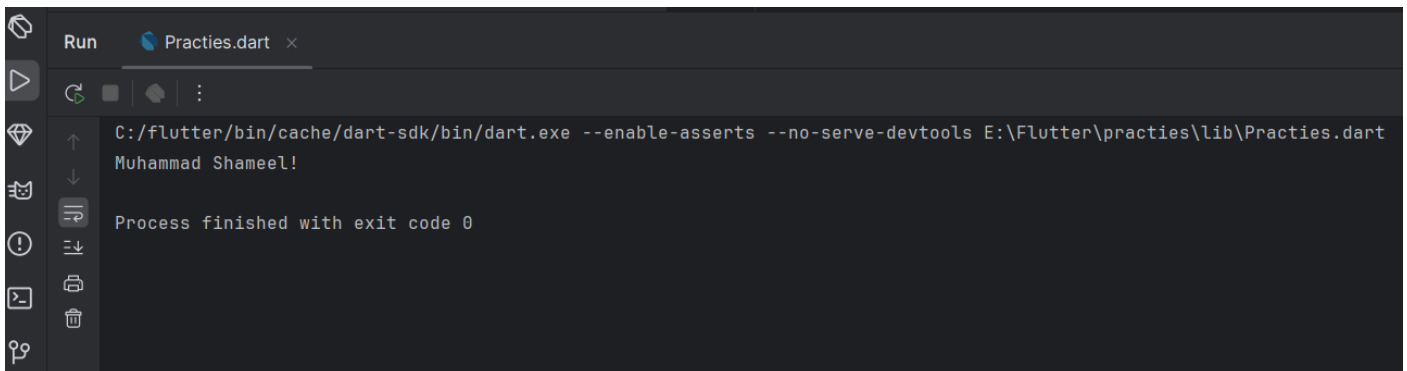
```dart
void main() {
  // Let's declare some variables
  String greeting = 'Hello'; // Holds text
  String name = 'Muhammad Shameel';
  int age = 21; // Holds whole numbers
  double height = 5.11; // Holds decimal numbers
  bool isProgrammer = true; // Holds either true or false

// Let's print them out
  print(greeting);
  print(name);
  print(age);
  print(height);
  print(isProgrammer);

// We can combine text and variables using string interpolation: $
  print(
      '$greeting, $name! You are $age years old and $height meters tall. Are you a
programmer? $isProgrammer');
}
```

screenshot:

```
Run    Practies.dart ×

C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practies\lib\Practies.dart
Hello
Muhammad Shameel
21
5.11
true
Hello, Muhammad Shameel! You are 21 years old and 5.11 meters tall. Are you a programmer? true

Process finished with exit code 0
```

3

code

```dart
import 'dart:io';
void main() {

  String name = 'Muhammad Shameel';
  stdout.write("Enter your age :");
  int  votingage =int.parse(stdin.readLineSync()!);
  if(votingage>=18)
    {
      print ("$name can vote " );
    }
  else
    {
      print("$name cannot  vot yet");
    }
}
```

screenshot

```
Run    Practies.dart ×

C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practies\lib\Practies.dart
Enter your age :16
Muhammad Shameel cannot  vot yet

Process finished with exit code 0
```

4

Code:

```dart
void main() {

  // A simple for loop
  print('Counting to 5:');
  for (int i = 1; i <= 5; i++) {
    print(i);
  }
}
```

Screenshot:

```
Run    Practies.dart  ×

C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practies\lib\Practies.dart
Counting to 5:
1
2
3
4
5

Process finished with exit code 0
```

5

Code:

```dart
void main() {

// Create a list of fruits
  List<String> fruits = ['Apple', 'Banana', 'Mango'];

// Print the whole list
  print(fruits);

// Print each fruit one by one using a for-in loop
  print('My favorite fruits:');
  for (String fruit in fruits) { // For each fruit IN the fruits list...
    print(fruit); // ...print the fruit.
  }


  print('The first fruit is: ${fruits[0]}');
  print('The second fruit is: ${fruits[1]}');
}
```

Screenshot:

6

Code:

```dart
void main() {
  // 1. Variables
  String appName = 'Dart Learner ';
  int year = 2025;
  List<String> features = ['Variables', 'Loops', 'Lists', 'Logic'];

  // 2. Print a welcome message
  print('Welcome to $appName!');
  print('This program was made in $year.\n'); // \n adds a blank line

  // 3. Loop through features
  print('Today you will learn:');
  for (String topic in features) {
    print('- $topic');
  }

  // 4. Make a decision
  print(''); // Blank line
  bool isExcited = true;

  if (isExcited) {
    print('You are excited to learn Dart! 😃');
  } else {
    print('You will be excited soon! ☺');
  }
}
```

screenshot:


```
C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practies\lib\Practies.dart
Welcome to Dart Learner !
This program was made in 2025.

Today you will learn:
- Variables
- Loops
- Lists
- Logic

You are excited to learn Dart! 😀

Process finished with exit code 0
```