

MAD LAB REPORT

NAME:

Muhammad Shameel

Sap Id:

55579

Section:

SE (5-2)



1

Code:

```
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\practices\lib\Practices.dart  
Muhammad Shameel!  
Process finished with exit code 0
```

2

code

```
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:

The screenshot shows a terminal window with the title "Run Practies.dart". The output of the script is displayed, showing the name "Muhammad Shameel", age "21", height "5.11", and a boolean value "true". A message at the end states "Hello, Muhammad Shameel! You are 21 years old and 5.11 meters tall. Are you a programmer? true". The process finished with exit code 0.

```
C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practices\lib\Practices.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

```
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

The screenshot shows a terminal window with the title "Run Practies.dart". The user enters their age as "16". The script outputs "Muhammad Shameel cannot vot yet". The process finished with exit code 0.

```
C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practices\lib\Practices.dart
Enter your age :16
Muhammad Shameel cannot vot yet
Process finished with exit code 0
```



4

Code:

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

Screenshot:

A screenshot of a terminal window titled "Run Practies.dart". The terminal shows the command run and the path C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practices\lib\Practices.dart. The output of the script is displayed below the command, showing the numbers 1, 2, 3, 4, and 5 each on a new line, followed by the message "Process finished with exit code 0".

5

Code:

```
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:

A screenshot of a terminal window titled "Run Practies.dart". The terminal shows the command run: C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practices\lib\Practices.dart. The output of the program is displayed below, showing a list of fruits and a message about the first two fruits.

```
C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practices\lib\Practices.dart
[Apple, Banana, Mango]
My favorite fruits:
Apple
Banana
Mango
The first fruit is: Apple
The second fruit is: Banana

Process finished with exit code 0
```

6

Code:

```
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:

A screenshot of a terminal window titled "Run Practies.dart". The terminal output shows the following:

```
C:/flutter/bin/cache/dart-sdk/bin/dart.exe --enable-asserts --no-serve-devtools E:\Flutter\practices\lib\Practices.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
```

The terminal interface includes standard icons for file operations (New, Open, Save, Cut, Copy, Paste) and a toolbar with a Run button and other controls.