

(06) Basic Dart Programming

Latihan Fundamental Mobile Developer 2

Nomor Urut : 1_002FLB_44

Nama : Ahmad Krisdaintoro

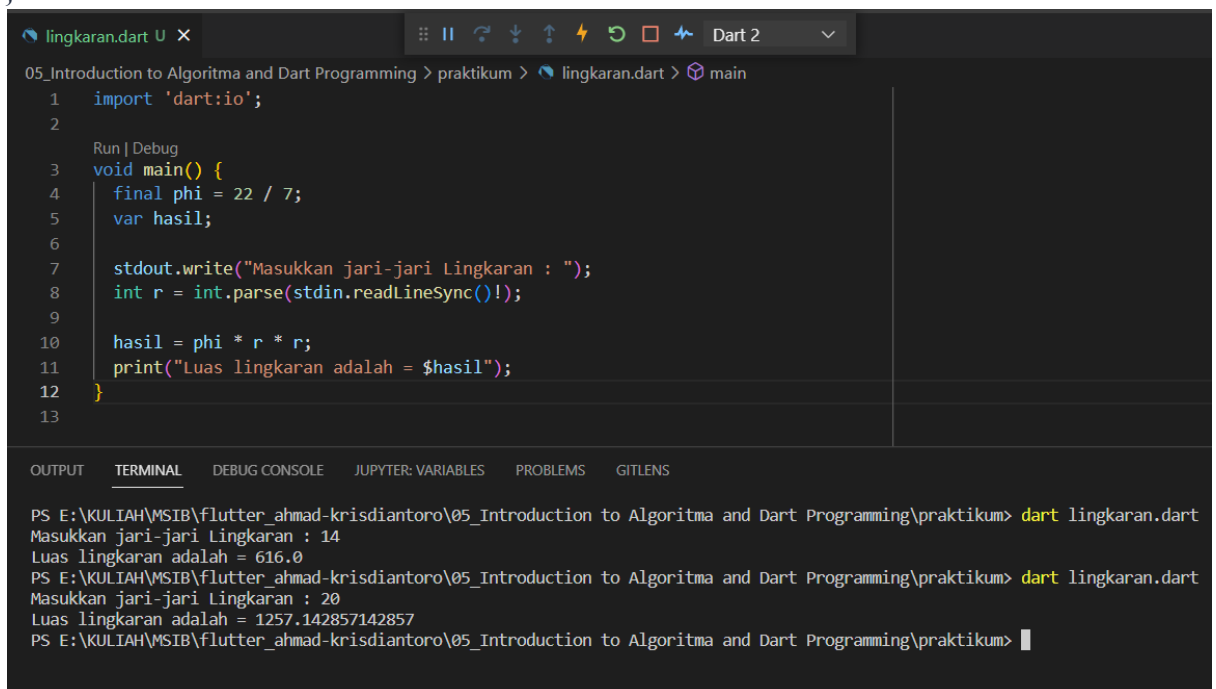
1. Implementasikan rumus luas lingkaran pada program Dart!

```
import 'dart:io';

void main() {
  final phi = 22 / 7;
  var hasil;

  stdout.write("Masukkan jari-jari Lingkaran : ");
  int r = int.parse(stdin.readLineSync()!);

  hasil = phi * r * r;
  print("Luas lingkaran adalah = $hasil");
}
```



The screenshot shows an IDE window titled 'lingkaran.dart' with the following Dart code:

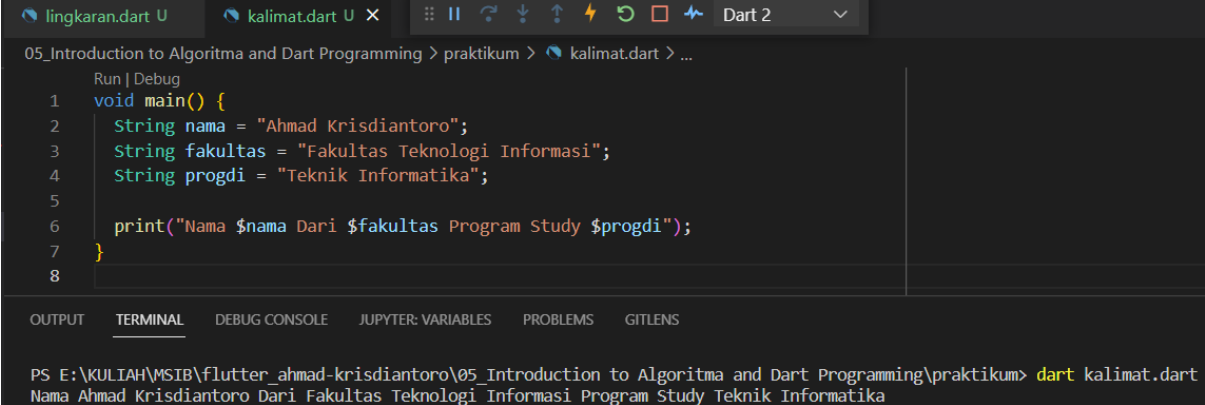
```
1 import 'dart:io';
2
3 void main() {
4   final phi = 22 / 7;
5   var hasil;
6
7   stdout.write("Masukkan jari-jari Lingkaran : ");
8   int r = int.parse(stdin.readLineSync()!);
9
10  hasil = phi * r * r;
11  print("Luas lingkaran adalah = $hasil");
12 }
13
```

Below the code editor, the 'TERMINAL' tab is active, showing the execution of the program:

```
PS E:\KULIAH\MSIB\flutter_ahmad-krisdiantoro\05_Introduction to Algoritma and Dart Programming\praktikum> dart lingkaran.dart
Masukkan jari-jari Lingkaran : 14
Luas lingkaran adalah = 616.0
PS E:\KULIAH\MSIB\flutter_ahmad-krisdiantoro\05_Introduction to Algoritma and Dart Programming\praktikum> dart lingkaran.dart
Masukkan jari-jari Lingkaran : 20
Luas lingkaran adalah = 1257.142857142857
PS E:\KULIAH\MSIB\flutter_ahmad-krisdiantoro\05_Introduction to Algoritma and Dart Programming\praktikum>
```

2. Buatlah 3 buah variabel yang berisi string, lalu sambungkan seluruh string tersebut, dan tampilkan pada layar!

```
void main() {  
  String nama = "Ahmad Krisdiantoro";  
  String fakultas = "Fakultas Teknologi Informasi";  
  String progdi = "Teknik Informatika";  
  
  print("Nama $nama Dari $fakultas Program Study $progdi");  
}
```



The screenshot shows an IDE window with a file named `kalimat.dart` open. The code in the editor is as follows:

```
1 void main() {  
2   String nama = "Ahmad Krisdiantoro";  
3   String fakultas = "Fakultas Teknologi Informasi";  
4   String progdi = "Teknik Informatika";  
5  
6   print("Nama $nama Dari $fakultas Program Study $progdi");  
7 }  
8
```

Below the editor, the **TERMINAL** tab is active, showing the command `dart kalimat.dart` and its output:

```
PS E:\KULIAH\MSIB\flutter_ahmad-krisdiantoro\05_Introduction to Algoritma and Dart Programming\praktikum> dart kalimat.dart  
Nama Ahmad Krisdiantoro Dari Fakultas Teknologi Informasi Program Study Teknik Informatika
```