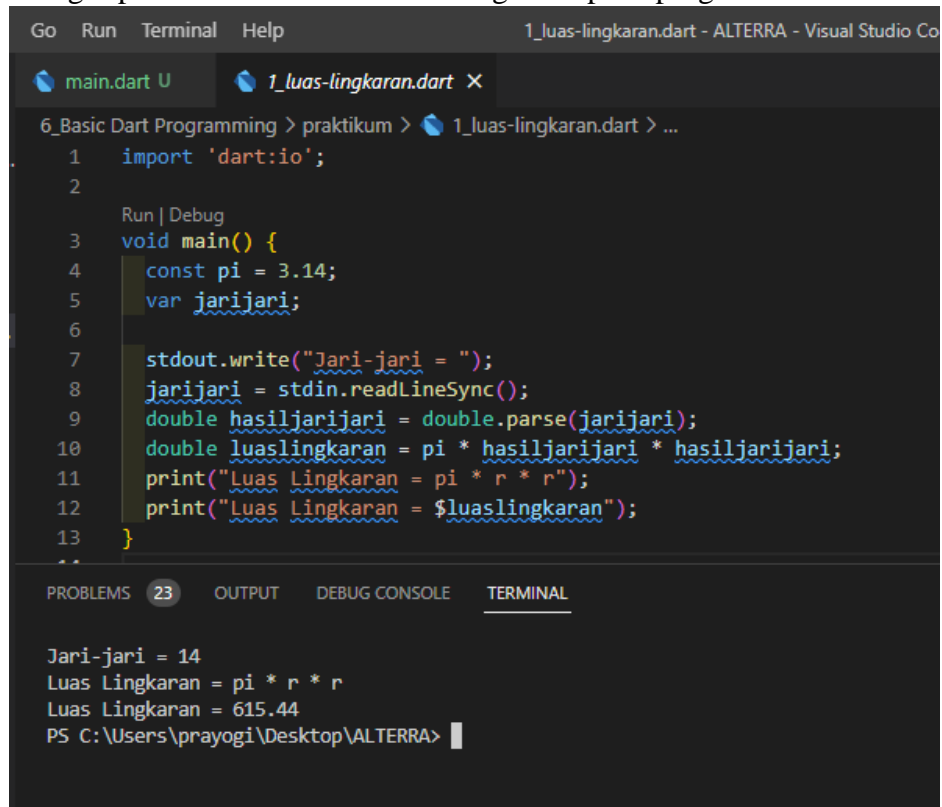


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NO. URUT : 1_017FLC_30

1. Mengimplementasikan rumus luas lingkaran pada program Dart!



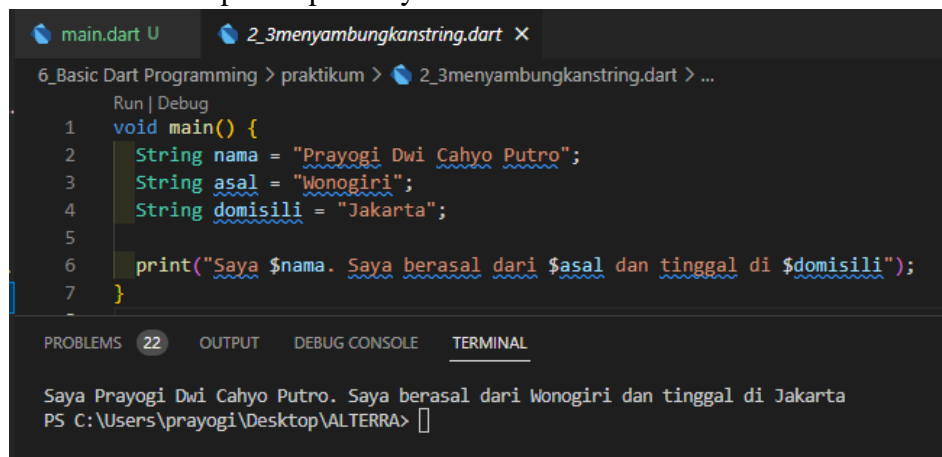
The screenshot shows the Visual Studio Code editor with a Dart file named `1_luas-lingkaran.dart`. The code implements a program to calculate the area of a circle. It imports `dart:io`, defines a `main` function, sets a constant `pi` to 3.14, and declares a variable `jarijari` for the radius. It prompts the user to enter the radius, reads the input, and calculates the area using the formula $\text{Luas Lingkaran} = \pi * r * r$. The result is printed to the console.

```
1 import 'dart:io';
2
3 void main() {
4   const pi = 3.14;
5   var jarijari;
6
7   stdout.write("Jari-jari = ");
8   jarijari = stdin.readLineSync();
9   double hasiljarijari = double.parse(jarijari);
10  double luaslingkaran = pi * hasiljarijari * hasiljarijari;
11  print("Luas Lingkaran = pi * r * r");
12  print("Luas Lingkaran = $luaslingkaran");
13 }
```

The terminal output shows the execution results:

```
Jari-jari = 14
Luas Lingkaran = pi * r * r
Luas Lingkaran = 615.44
PS C:\Users\prayogi\Desktop\ALTERRA>
```

2. Membuat 3 variabel yang berisi String, lalu sambungkan seluruh String tersebut dan tampilkan pada layar



The screenshot shows the Visual Studio Code editor with a Dart file named `2_3menyambungkanstring.dart`. The code declares three String variables: `nama`, `asal`, and `domisili`, with values "Prayogi Dwi Cahyo Putro", "Wonogiri", and "Jakarta" respectively. It then prints a concatenated string using these variables.

```
1 void main() {
2   String nama = "Prayogi Dwi Cahyo Putro";
3   String asal = "Wonogiri";
4   String domisili = "Jakarta";
5
6   print("Saya $nama. Saya berasal dari $asal dan tinggal di $domisili");
7 }
```

The terminal output shows the execution results:

```
Saya Prayogi Dwi Cahyo Putro. Saya berasal dari Wonogiri dan tinggal di Jakarta
PS C:\Users\prayogi\Desktop\ALTERRA>
```