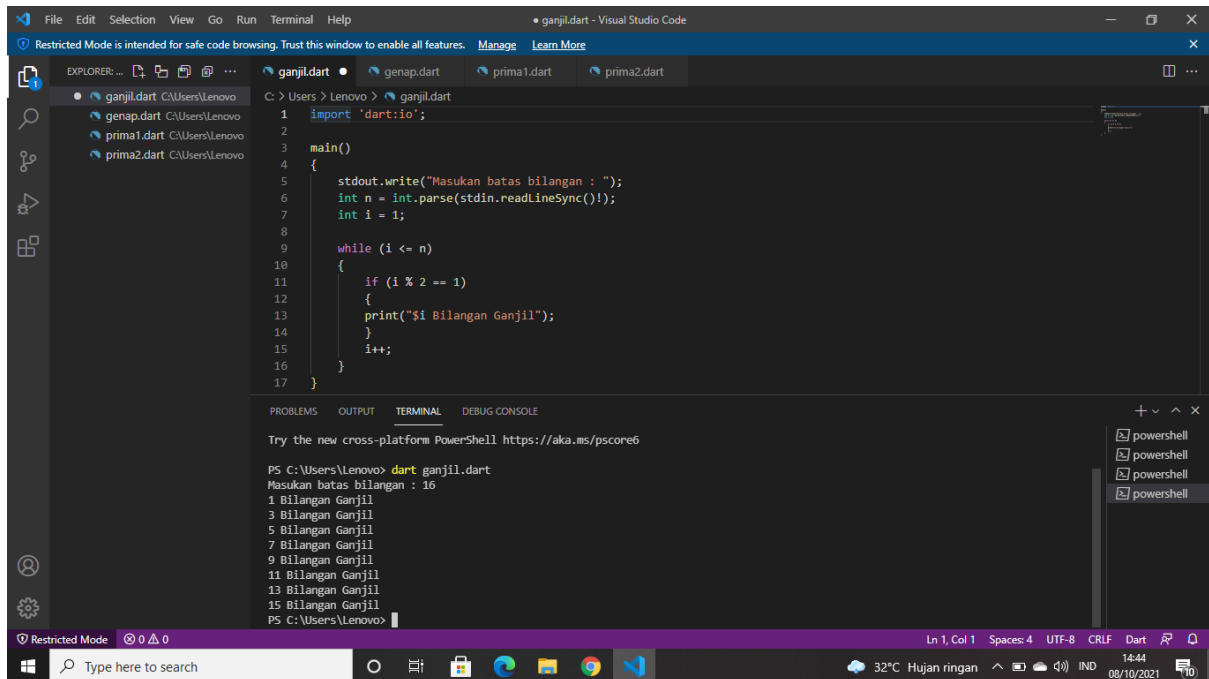


A. Bilangan ganjil antara 1 sampai n (mengunnakan while), dimana n diinputkan



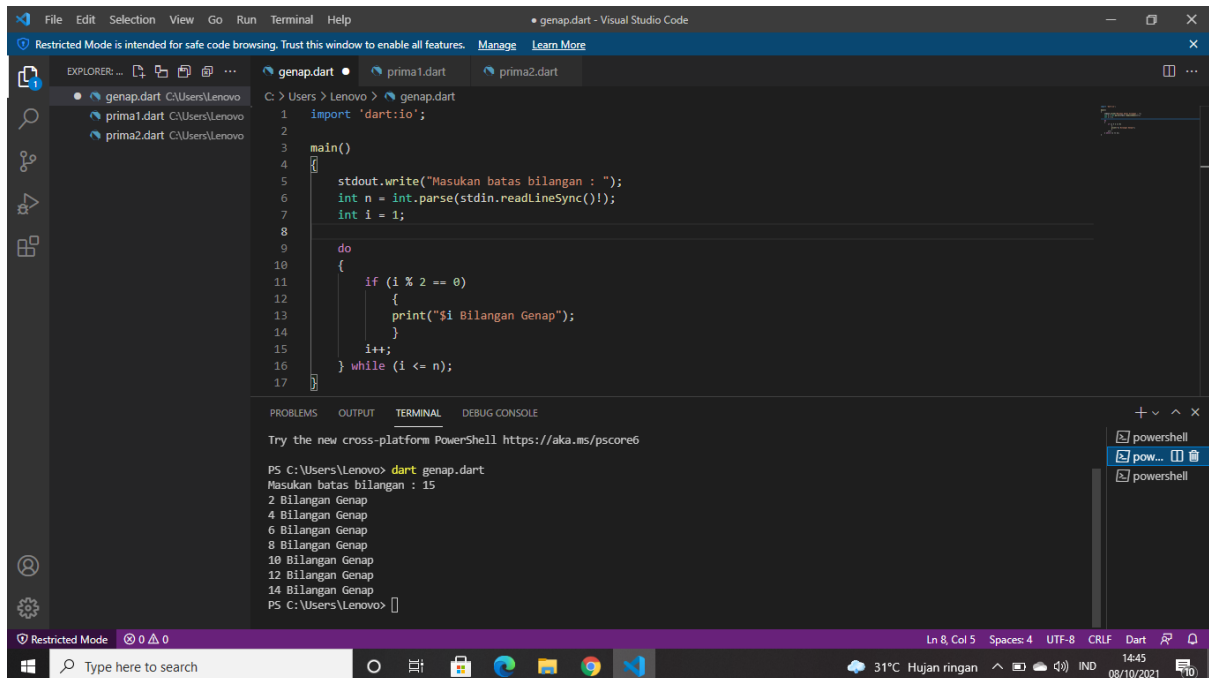
The screenshot shows a Visual Studio Code editor with a Dart file named `ganjil.dart`. The code uses a `while` loop to print odd numbers from 1 to `n`. The terminal output shows the program running and printing the sequence: 1, 3, 5, 7, 9, 11, 13, 15.

```
1 import 'dart:io';
2
3 main()
4 {
5   stdout.write("Masukan batas bilangan : ");
6   int n = int.parse(stdin.readLineSync());
7   int i = 1;
8
9   while (i <= n)
10  {
11    if (i % 2 == 1)
12    {
13      print("$i Bilangan Ganjil");
14    }
15    i++;
16  }
17 }
```

Terminal Output:

```
PS C:\Users\Lenovo> dart ganjil.dart
Masukan batas bilangan : 16
1 Bilangan Ganjil
3 Bilangan Ganjil
5 Bilangan Ganjil
7 Bilangan Ganjil
9 Bilangan Ganjil
11 Bilangan Ganjil
13 Bilangan Ganjil
15 Bilangan Ganjil
PS C:\Users\Lenovo>
```

B. Bilangan genap antara 1 sampai n (mengunnakan do while), dimana n diinputkan



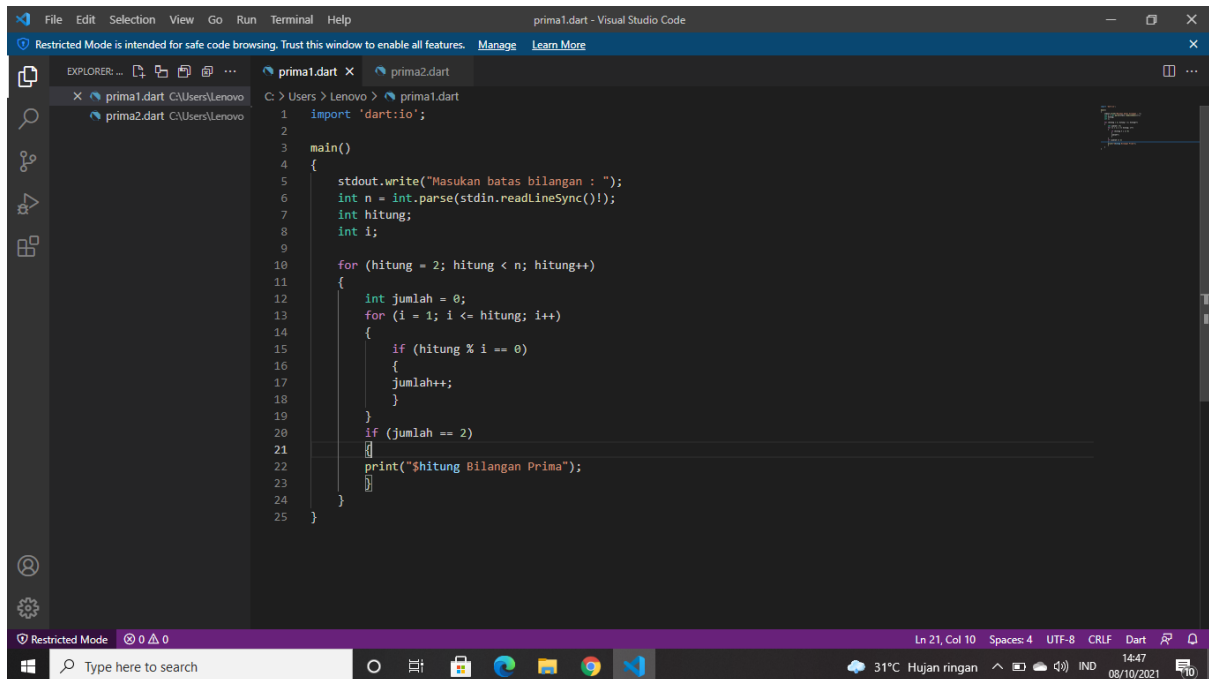
The screenshot shows a Visual Studio Code editor with a Dart file named `genap.dart`. The code uses a `do while` loop to print even numbers from 2 to `n`. The terminal output shows the program running and printing the sequence: 2, 4, 6, 8, 10, 12, 14.

```
1 import 'dart:io';
2
3 main()
4 {
5   stdout.write("Masukan batas bilangan : ");
6   int n = int.parse(stdin.readLineSync());
7   int i = 1;
8
9   do
10  {
11    if (i % 2 == 0)
12    {
13      print("$i Bilangan Genap");
14    }
15    i++;
16  } while (i <= n);
17 }
```

Terminal Output:

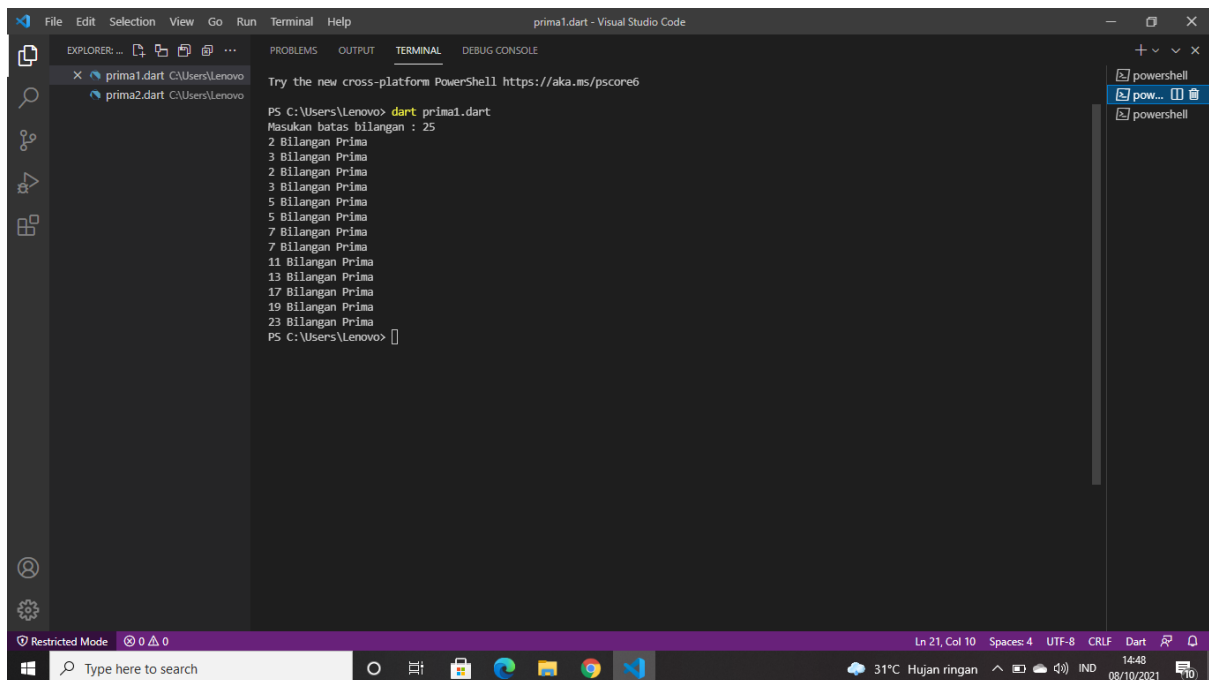
```
PS C:\Users\Lenovo> dart genap.dart
Masukan batas bilangan : 15
2 Bilangan Genap
4 Bilangan Genap
6 Bilangan Genap
8 Bilangan Genap
10 Bilangan Genap
12 Bilangan Genap
14 Bilangan Genap
PS C:\Users\Lenovo>
```

C. Bilangan prima antara 1 sampai n, dimana n diinputkan



The screenshot shows the Visual Studio Code editor with a Dart file named `prima1.dart`. The code implements a function to find prime numbers between 1 and a given limit `n`. It uses nested loops to check for divisibility. The status bar at the bottom indicates the file is at line 21, column 10, with 4 spaces, UTF-8 encoding, and CRLF line endings.

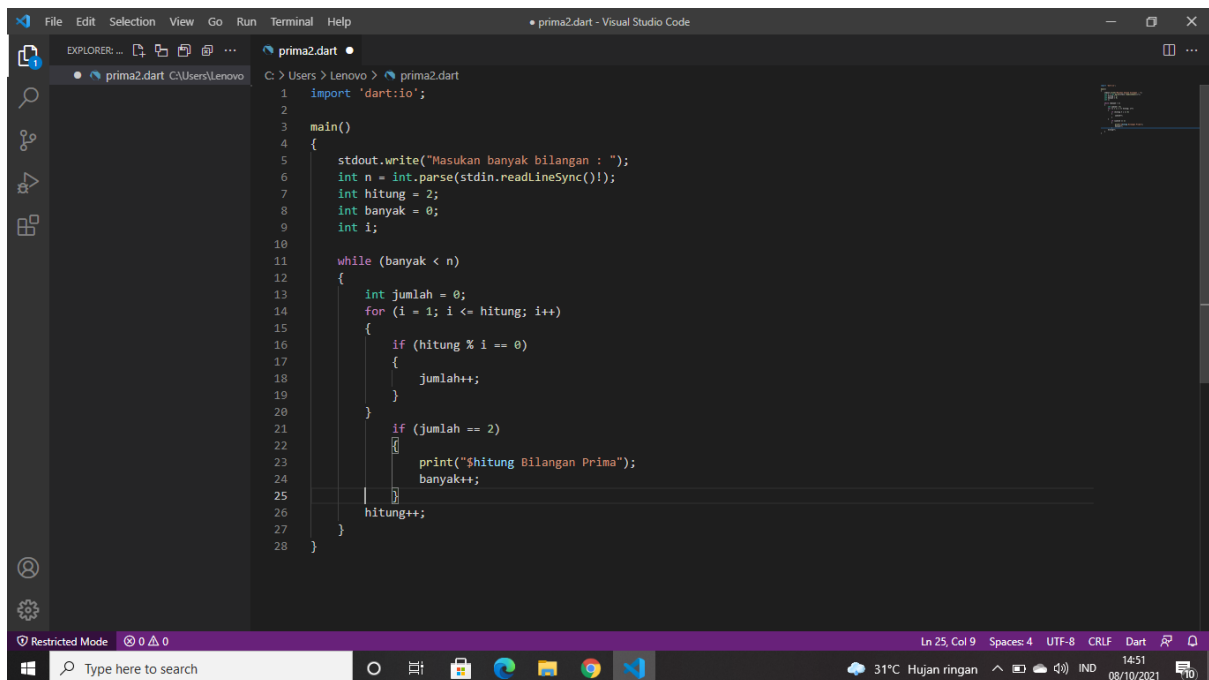
```
1 import 'dart:io';
2
3 main()
4 {
5     stdout.write("Masukan batas bilangan : ");
6     int n = int.parse(stdin.readLineSync()!);
7     int hitung;
8     int i;
9
10    for (hitung = 2; hitung < n; hitung++)
11    {
12        int jumlah = 0;
13        for (i = 1; i <= hitung; i++)
14        {
15            if (hitung % i == 0)
16            {
17                jumlah++;
18            }
19        }
20        if (jumlah == 2)
21            print("$hitung Bilangan Prima");
22    }
23 }
24
25 }
```



The screenshot shows the Visual Studio Code editor with the same Dart file, but the terminal window is open, displaying the output of the program. The user has entered 25 as the limit, and the program has printed the prime numbers between 1 and 25. The status bar at the bottom indicates the file is at line 21, column 10, with 4 spaces, UTF-8 encoding, and CRLF line endings.

```
PS C:\Users\Lenovo> dart prima1.dart
Masukan batas bilangan : 25
2 Bilangan Prima
3 Bilangan Prima
2 Bilangan Prima
3 Bilangan Prima
5 Bilangan Prima
5 Bilangan Prima
7 Bilangan Prima
7 Bilangan Prima
11 Bilangan Prima
13 Bilangan Prima
17 Bilangan Prima
19 Bilangan Prima
23 Bilangan Prima
PS C:\Users\Lenovo>
```

D. Bilangan prima sebanyak n mulai dari 1, dimana n diinputkan



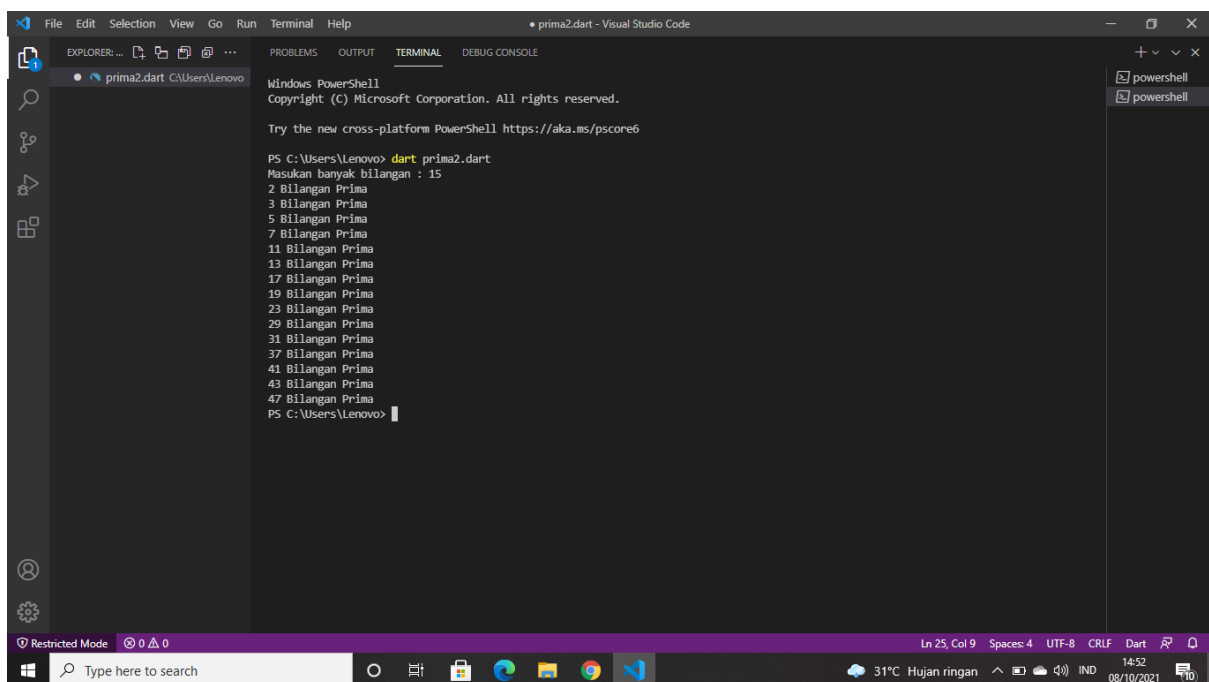
```
File Edit Selection View Go Run Terminal Help
• prima2.dart - Visual Studio Code

EXPLORER: ...
• prima2.dart C:\Users\Lenovo\...

C: > Users > Lenovo > \prima2.dart
1 import 'dart:io';
2
3 main()
4 {
5     stdout.write("Masukan banyak bilangan : ");
6     int n = int.parse(stdin.readLineSync()!);
7     int hitung = 2;
8     int banyak = 0;
9     int i;
10
11     while (banyak < n)
12     {
13         int jumlah = 0;
14         for (i = 1; i <= hitung; i++)
15         {
16             if (hitung % i == 0)
17             {
18                 jumlah++;
19             }
20         }
21         if (jumlah == 2)
22         {
23             print("$hitung Bilangan Prima");
24             banyak++;
25         }
26         hitung++;
27     }
28 }
```

Ln 25, Col 9 Spaces: 4 UTF-8 CRLF Dart

31°C Hujan ringan 14:51 08/10/2021



```
File Edit Selection View Go Run Terminal Help
• prima2.dart - Visual Studio Code

EXPLORER: ...
• prima2.dart C:\Users\Lenovo\...

PROBLEMS OUTPUT TERMINAL DEBUG CONSOLE

Windows PowerShell
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Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\Lenovo> dart prima2.dart
Masukan banyak bilangan : 15
2 Bilangan Prima
3 Bilangan Prima
5 Bilangan Prima
7 Bilangan Prima
11 Bilangan Prima
13 Bilangan Prima
17 Bilangan Prima
19 Bilangan Prima
23 Bilangan Prima
29 Bilangan Prima
31 Bilangan Prima
37 Bilangan Prima
41 Bilangan Prima
43 Bilangan Prima
47 Bilangan Prima
PS C:\Users\Lenovo>
```

Ln 25, Col 9 Spaces: 4 UTF-8 CRLF Dart

31°C Hujan ringan 14:52 08/10/2021

