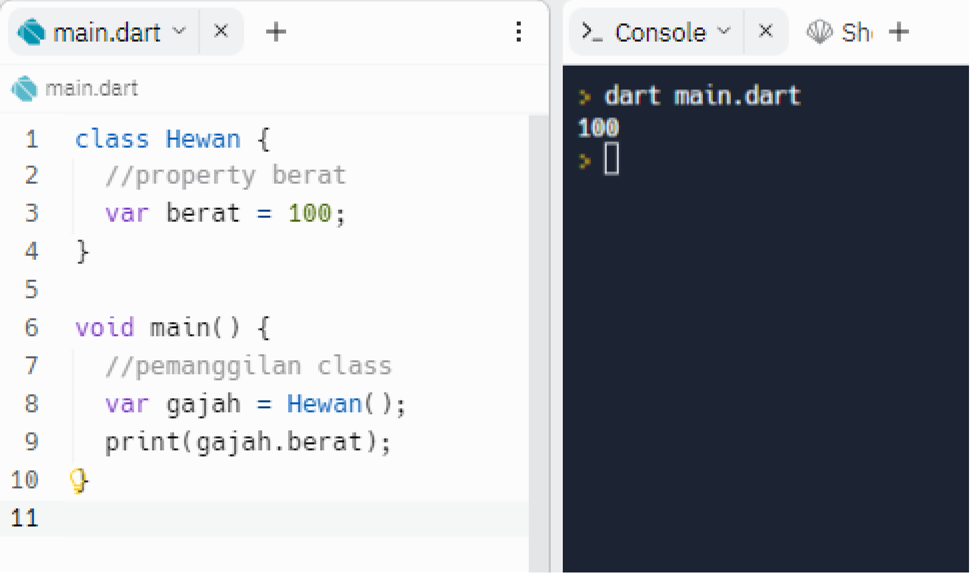
Screenshoot soal prioritas 1

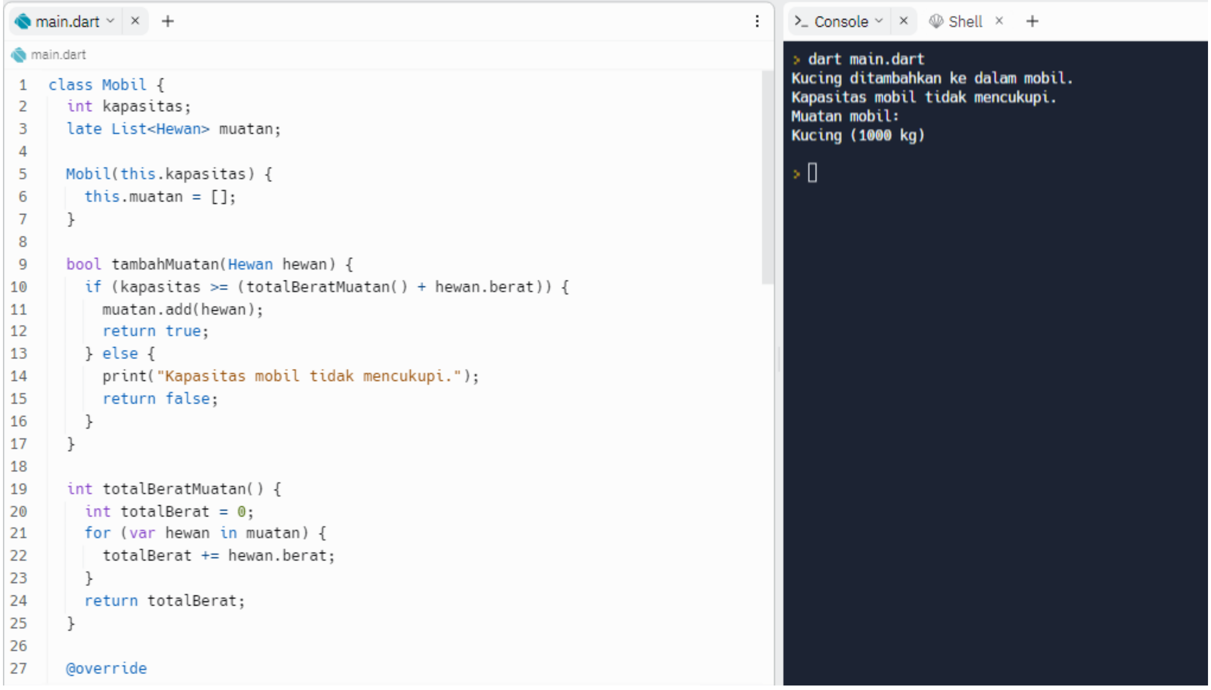
Nomor 1



```
class Hewan {
  //property berat
  var berat = 100;
}

void main() {
  //pemanggilan class
  var gajah = Hewan();
  print(gajah.berat);
}
```

```
> dart main.dart
100
> 
```

Nomor 2

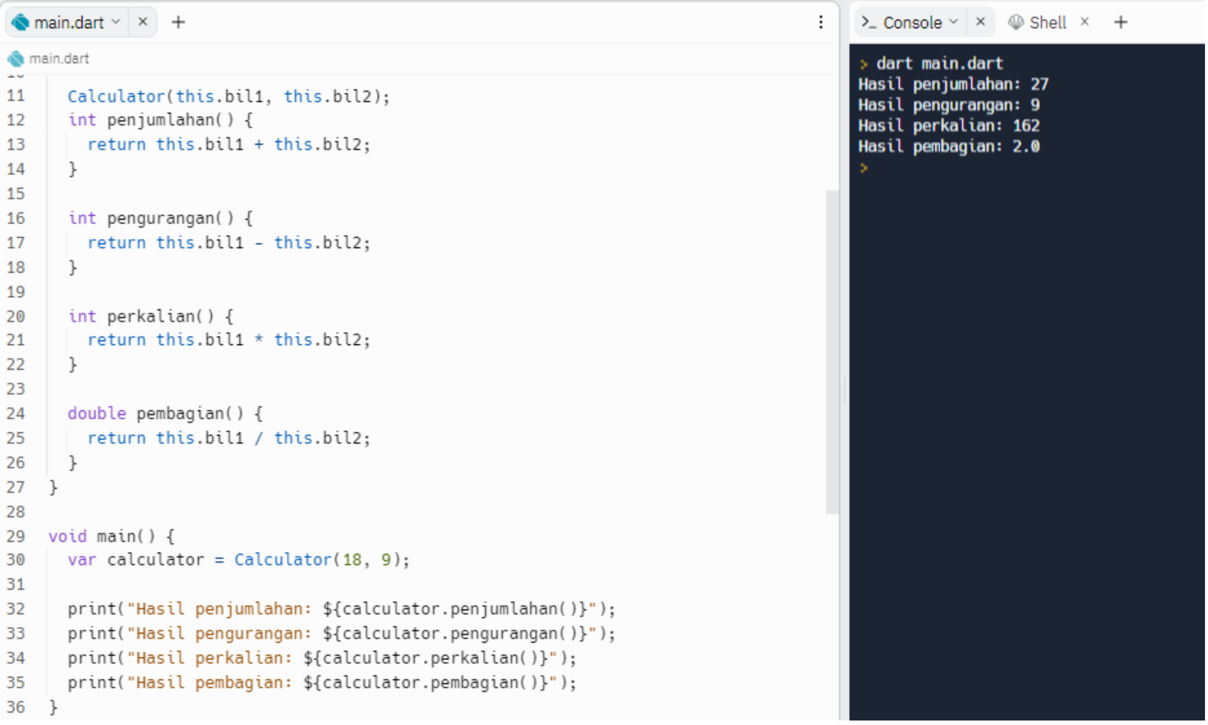


```
class Mobil {
  int kapasitas;
  late List<Hewan> muatan;

  Mobil(this.kapasitas) {
    this.muatan = [];
  }

  bool tambahMuatan(Hewan hewan) {
    if (kapasitas >= (totalBeratMuatan() + hewan.berat)) {
      muatan.add(hewan);
      return true;
    } else {
      print("Kapasitas mobil tidak mencukupi.");
      return false;
    }
  }

  int totalBeratMuatan() {
    int totalBerat = 0;
    for (var hewan in muatan) {
      totalBerat += hewan.berat;
    }
    return totalBerat;
  }

  @override
```

```
> dart main.dart
Kucing ditambahkan ke dalam mobil.
Kapasitas mobil tidak mencukupi.
Muatan mobil:
Kucing (1000 kg)

> 
```

Screenshoot soal prioritas 2

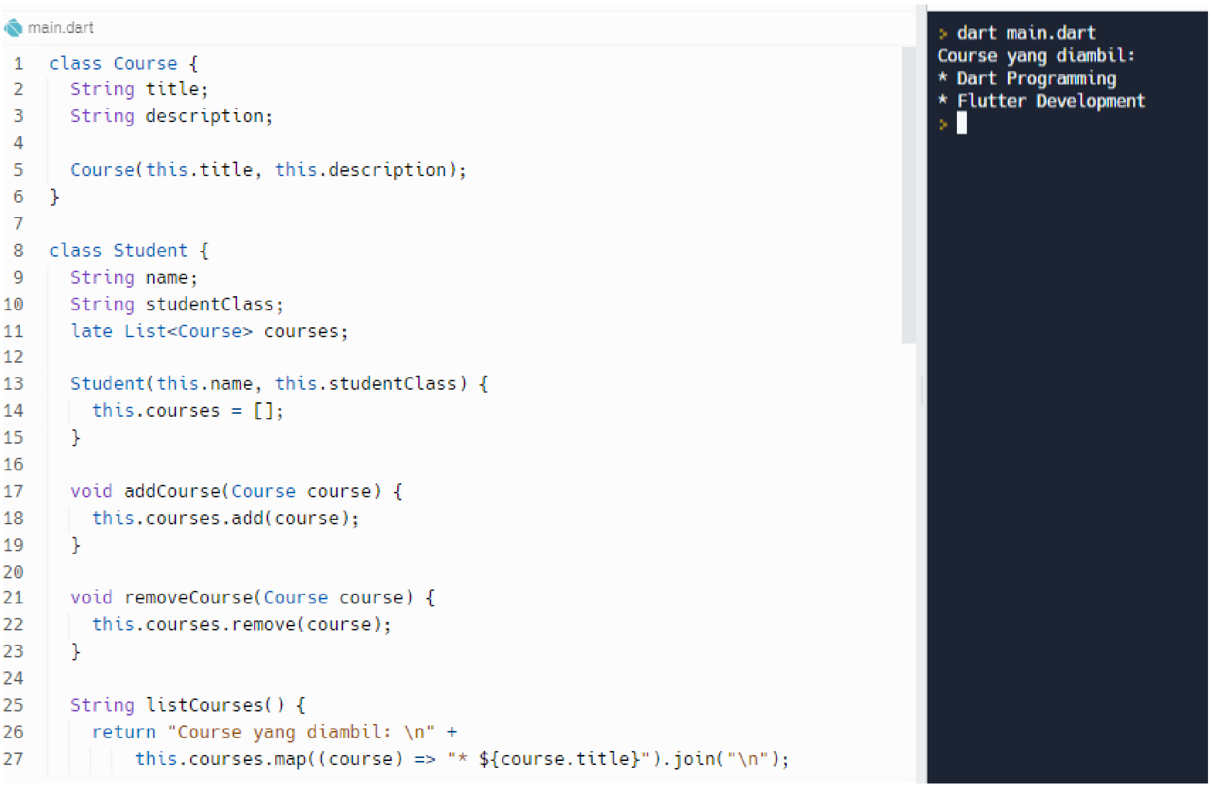
Nomor 1



```dart
  Calculator(this.bil1, this.bil2);
  int penjumlahan() {
    return this.bil1 + this.bil2;
  }

  int pengurangan() {
    return this.bil1 - this.bil2;
  }

  int perkalian() {
    return this.bil1 * this.bil2;
  }

  double pembagian() {
    return this.bil1 / this.bil2;
  }
}

void main() {
  var calculator = Calculator(18, 9);

  print("Hasil penjumlahan: ${calculator.penjumlahan()}");
  print("Hasil pengurangan: ${calculator.pengurangan()}");
  print("Hasil perkalian: ${calculator.perkalian()}");
  print("Hasil pembagian: ${calculator.pembagian()}");
}
```

```
> dart main.dart
Hasil penjumlahan: 27
Hasil pengurangan: 9
Hasil perkalian: 162
Hasil pembagian: 2.0
>
```

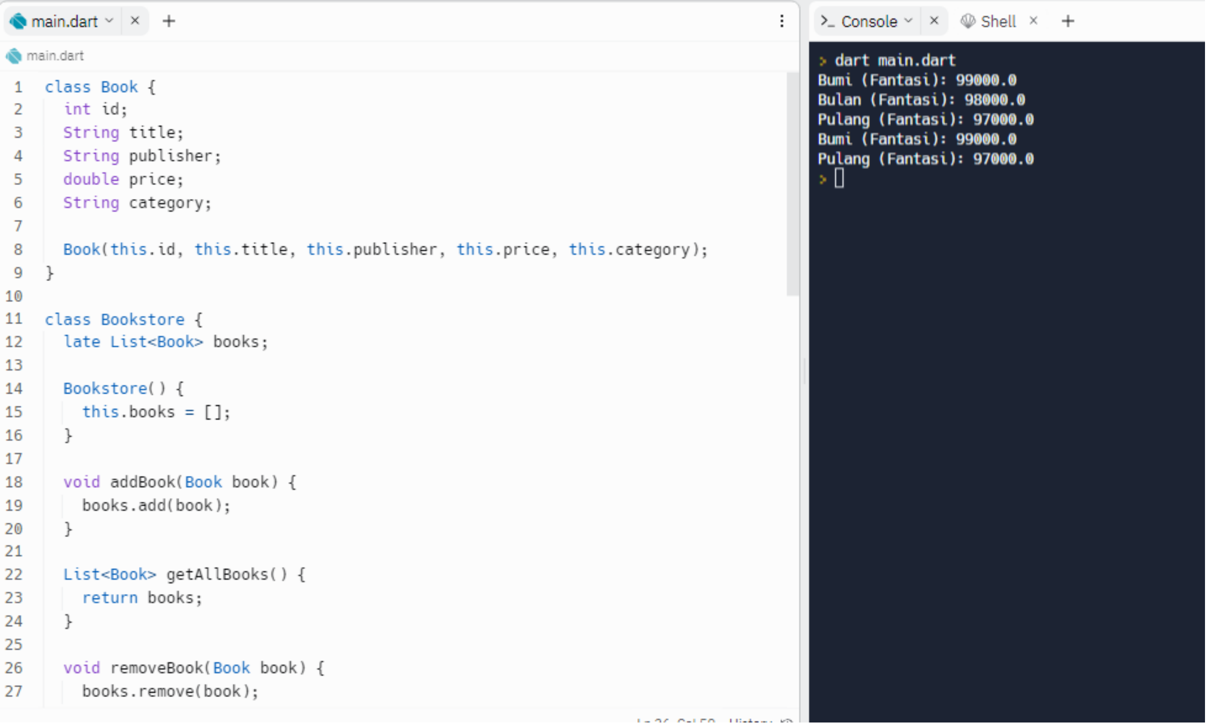
Nomor 2



```dart
class Course {
  String title;
  String description;

  Course(this.title, this.description);
}

class Student {
  String name;
  String studentClass;
  late List<Course> courses;

  Student(this.name, this.studentClass) {
    this.courses = [];
  }

  void addCourse(Course course) {
    this.courses.add(course);
  }

  void removeCourse(Course course) {
    this.courses.remove(course);
  }

  String listCourses() {
    return "Course yang diambil: \n" +
        this.courses.map((course) => "* ${course.title}").join("\n");
```

```
> dart main.dart
Course yang diambil:
* Dart Programming
* Flutter Development
>
```

Screenshoot soal explorasi



```dart
class Book {
  int id;
  String title;
  String publisher;
  double price;
  String category;

  Book(this.id, this.title, this.publisher, this.price, this.category);
}

class Bookstore {
  late List<Book> books;

  Bookstore() {
    this.books = [];
  }

  void addBook(Book book) {
    books.add(book);
  }

  List<Book> getAllBooks() {
    return books;
  }

  void removeBook(Book book) {
    books.remove(book);
```

```
> dart main.dart
Bumi (Fantasi): 99000.0
Bulan (Fantasi): 98000.0
Pulang (Fantasi): 97000.0
Bumi (Fantasi): 99000.0
Pulang (Fantasi): 97000.0
> 
```