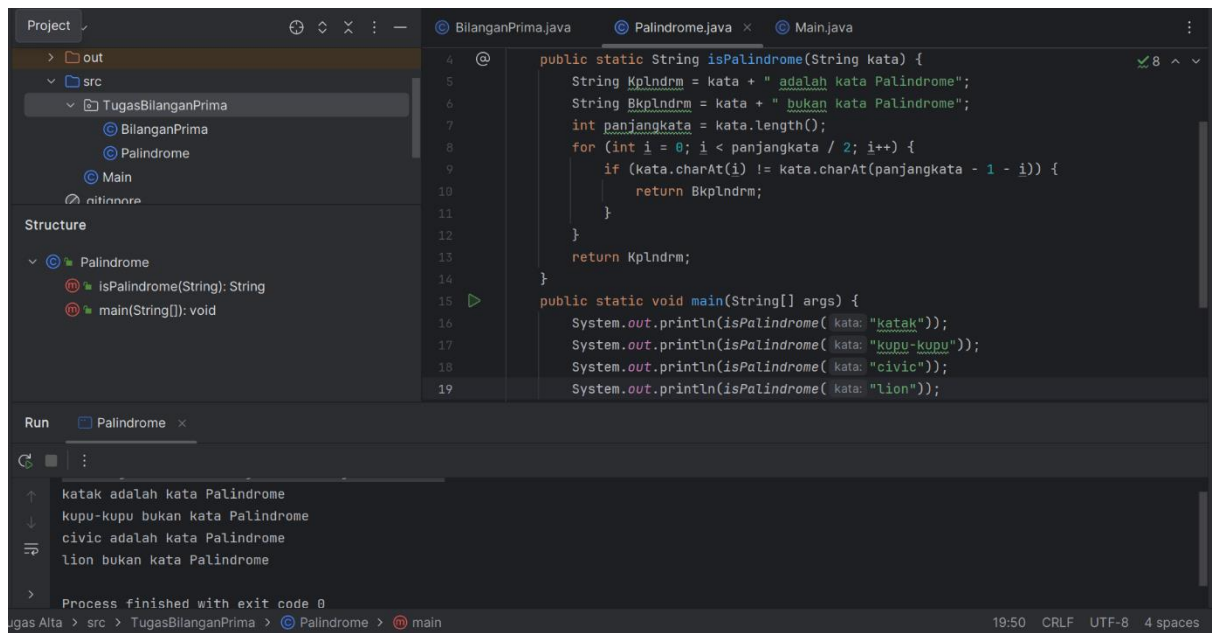


## Basic Programming

### 4. Problem 4 Prime number



```
Project
  out
  src
    TugasBilanganPrima
      BilanganPrima
      Palindrome
      Main
      nitiangore

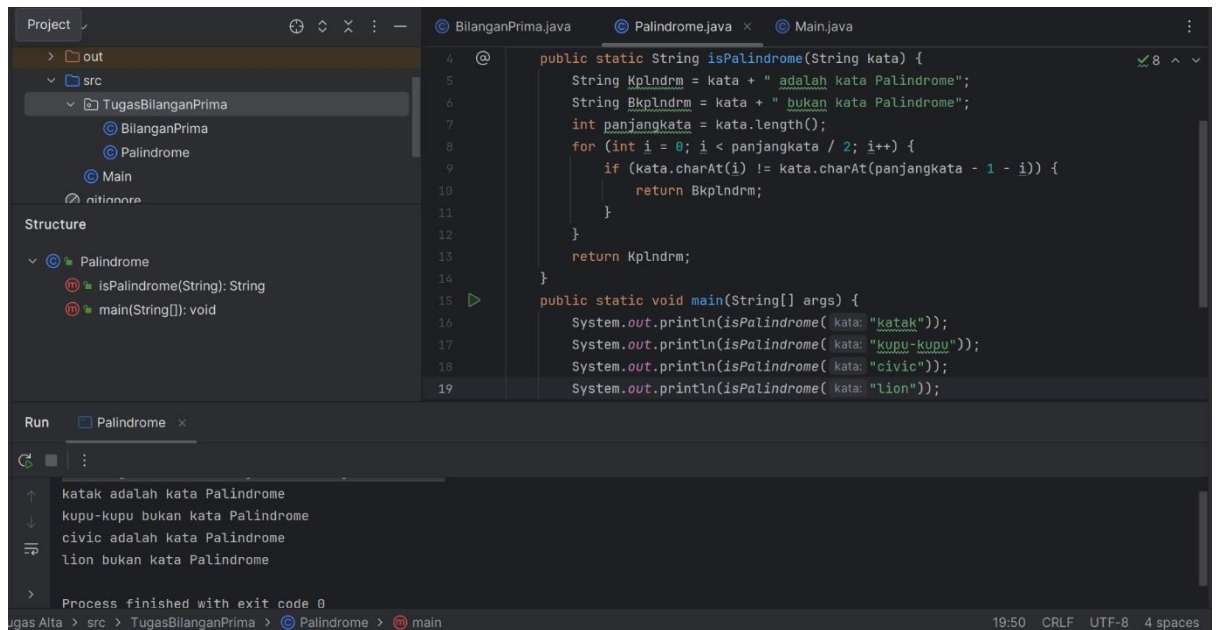
Structure
  Palindrome
    isPalindrome(String): String
    main(String[]): void

Run
  Palindrome

katak adalah kata Palindrome
kupu-kupu bukan kata Palindrome
civic adalah kata Palindrome
lion bukan kata Palindrome

Process finished with exit code 0
ugas Alta > src > TugasBilanganPrima > Palindrome > main 19:50 CRLF UTF-8 4 spaces
```

### 5. Problem 5 Palindrome



```
Project
  out
  src
    TugasBilanganPrima
      BilanganPrima
      Palindrome
      Main
      nitiangore

Structure
  Palindrome
    isPalindrome(String): String
    main(String[]): void

Run
  Palindrome

katak adalah kata Palindrome
kupu-kupu bukan kata Palindrome
civic adalah kata Palindrome
lion bukan kata Palindrome

Process finished with exit code 0
ugas Alta > src > TugasBilanganPrima > Palindrome > main 19:50 CRLF UTF-8 4 spaces
```

## 6. Problem 6 Draw XYZ

```
1 package TugasBilanganPrima;
2
3 public class drawfix {
4     1 usage
5     public static void drawxyz(int height) {
6         int count = 0;
7         for (int i = 1; i <= height; i++) {
8             for (int j = 1; j <= height; j++) {
9                 count += 1;
10                if (count % 3 == 0) {
11                    System.out.print("X ");
12                } else {
13                    if (count % 2 != 0) {
14                        System.out.print("Y ");
15                    } else {
16                        System.out.print("Z ");
17                    }
18                }
19            }
20            System.out.println();
21        }
22    }
23
24    public static void main(String[] args) {
25        System.out.println("drawingnya");
26        drawxyz( height: 5);
27    }
28 }
29
```

Project view shows the file structure:

- Tugas Alta
  - idea
  - out
  - src
    - Easychallenge
      - Calculator
      - Hargakirimbarang
      - Luasdankelling

Run view shows the output:

```
Run drawfix x
Hasil pattern untuk height 5:
Y Z X Z Y
X Y Z X Z
Y X Y Z X
Z Y X Y Z
X Z Y X Y
Hasil pattern untuk height 9:
Y Z X Z Y X Y Z X
Z Y X Y Z X Z Y X
Y Z X Z Y X Y Z X
Z Y X Y Z X Z Y X
Y Z X Z Y X Y Z X
Z Y X Y Z X Z Y X
Y Z X Z Y X Y Z X
Z Y X Y Z X Z Y X
Y Z X Z Y X Y Z X
Z Y X Y Z X Z Y X
```

StatusBar: Tugas Alta > src > TugasBilanganPrima > drawfix > main 26:20 CRLF UTF-8 4 spaces

## 7. Problem 7 Mean

The image displays two screenshots of an IDE (IntelliJ IDEA) showing the implementation of a Java program to calculate the mean of an array. The code is written in the `penjumlahanderetan.java` file.

**Top Screenshot:**

- Project Structure:** The project is named `TugasBilanganPrima`. It contains a package `src` with a sub-package `TugasBilanganPrima`. The files listed are `BilanganPrima`, `drawing`, `Palindrome`, `penjumlahanderetan`, and `Main`.
- Code:** The code defines a `main` method that takes a `String[]` array of arguments. It initializes a `float[]` array with values `{1, 2, 3, 4}`. It calls `calculateMean(array)` to calculate the mean, prints it, rounds it using `Math.round(mean)`, and prints the rounded mean.
- Run Output:** The output shows the mean calculation for the array `{1, 2, 3, 4}`. The mean is `2.5`, and the rounded mean is `3`. The process finished with exit code `0`.

**Bottom Screenshot:**

- Project Structure:** The project structure is the same as the top screenshot.
- Code:** The code is identical to the top screenshot, but the `float[]` array is initialized with values `{5, 8, 3, 7}`.
- Run Output:** The output shows the mean calculation for the array `{5, 8, 3, 7}`. The mean is `5.75`, and the rounded mean is `6`. The process finished with exit code `0`.