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## Soal Minggu Ke - 3 (12 Maret 2024)

### Soal Eksplorasi

#### ▼ Soal Eksplorasi (20)

1. Buatlah sebuah program untuk mengubah kata menjadi camel case.

Test Case 1:

Input:

- Kata: alterra academy

Output:

- alterraAcademy

Test Case 2:

Input:

- Kata: Sepulsa Mantap Jiwa

Output:

- sepulsaMantapJiwa

1.

Jawab

1.

```
package tugas;
import java.util.Scanner;

public class SoalEksplorasiSembilan {

    public static void main(String[] args) {
        Scanner scanner = new Scanner(System.in);

        // Input kata
        System.out.print("Masukkan kata: ");
        String kata = scanner.nextLine();

        // Mengubah kata menjadi camel case
        String camelCase = toCamelCase(kata);

        // Output hasil
        System.out.println("Output: " + camelCase);

        scanner.close();
    }
}
```

```
// Method untuk mengubah kata menjadi camel case
// usage
private static String toCamelCase(String kata) {
    StringBuilder camelCase = new StringBuilder();
    String[] words = kata.split(regex: "[ ]");

    for (int i = 0; i < words.length; i++) {
        String word = words[i];
        if (i == 0) {
            camelCase.append(word.toLowerCase());
        } else {
            camelCase.append(Character.toUpperCase(word.charAt(0)));
            camelCase.append(word.substring(beginIndex: 1).toLowerCase());
        }
    }

    return camelCase.toString();
}
```

(codingan soal eksplorasi)

```
/Library/Java/JavaVirtualMachines/jdk-17.jdk/Contents/Home/bin/java -javaagent:/Applications/IntelliJ IDEA CE.app/Contents/lib/idea_rt.jar=50304:/Applications/IntelliJ
Masukkan kata: alterra academy
Output: alterraAcademy

Process finished with exit code 0
```

(output soal eksplorasi)