

Tugas Praktikum 8 – Exception

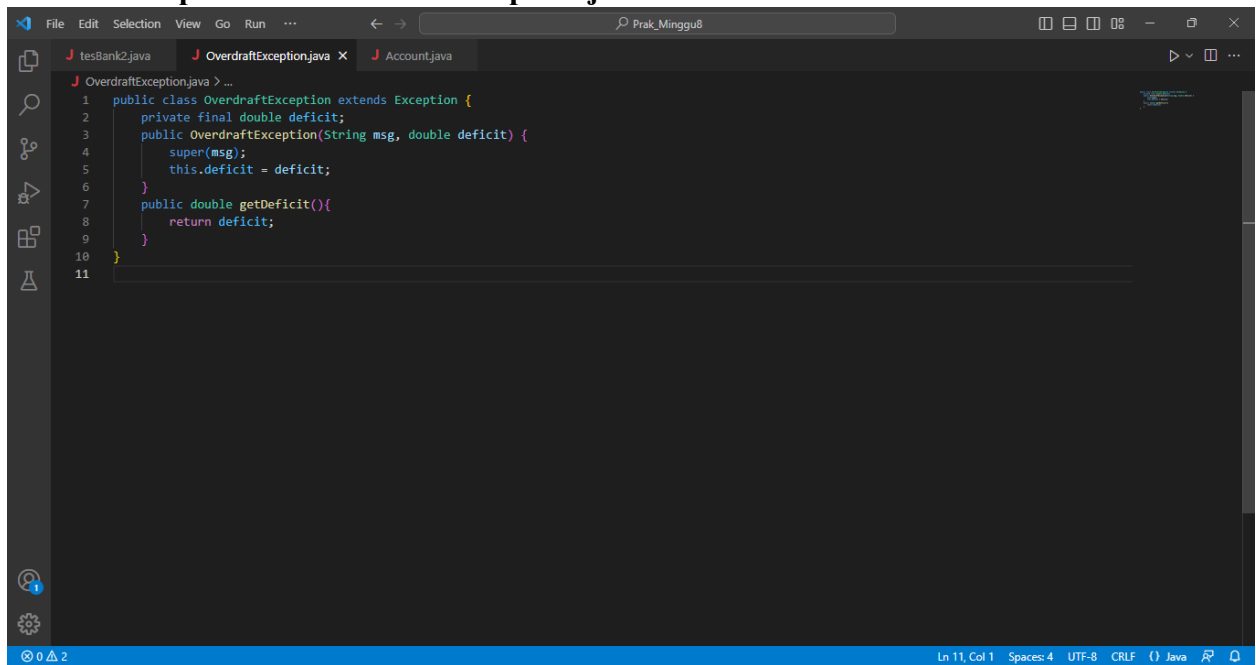
PBO Pertemuan 8

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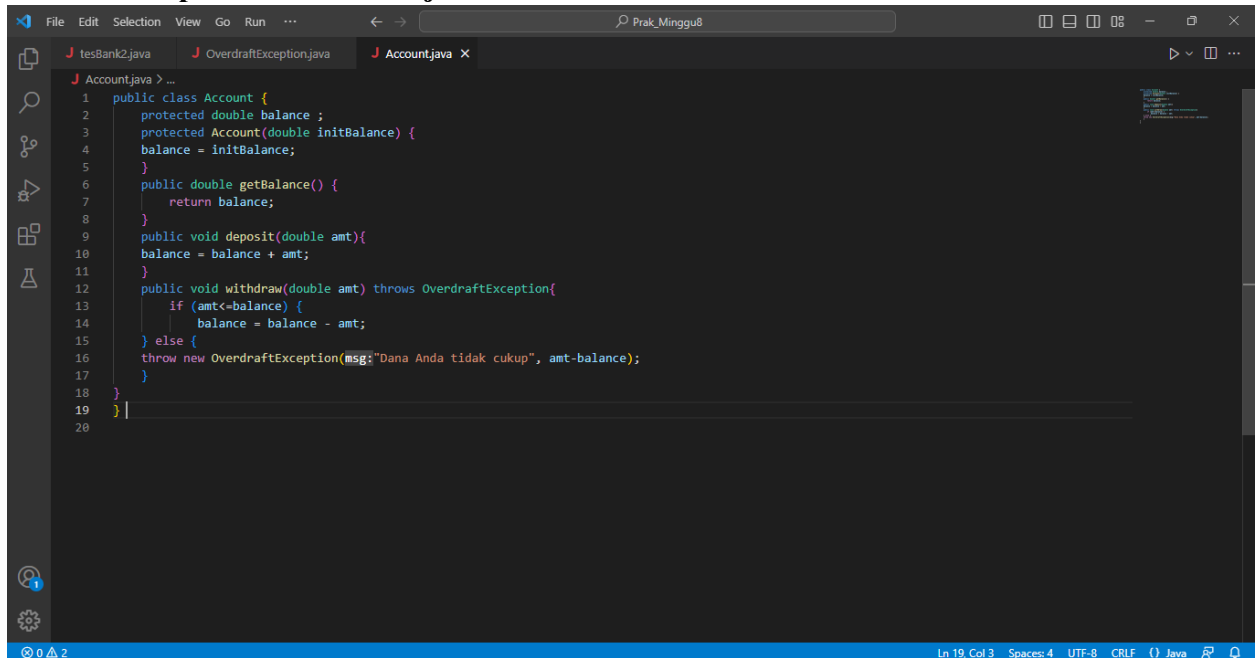
- Source code pada file OverdraftException.java

A screenshot of an IDE window showing the source code of a Java file named OverdraftException.java. The window has a dark theme. The top bar shows the file name and some icons. The left sidebar has icons for Explorer, Search, Run and Debug, and Source Control. The main editor area shows the following code:

```
1 public class OverdraftException extends Exception {  
2     private final double deficit;  
3     public OverdraftException(String msg, double deficit) {  
4         super(msg);  
5         this.deficit = deficit;  
6     }  
7     public double getDeficit(){  
8         return deficit;  
9     }  
10 }  
11
```

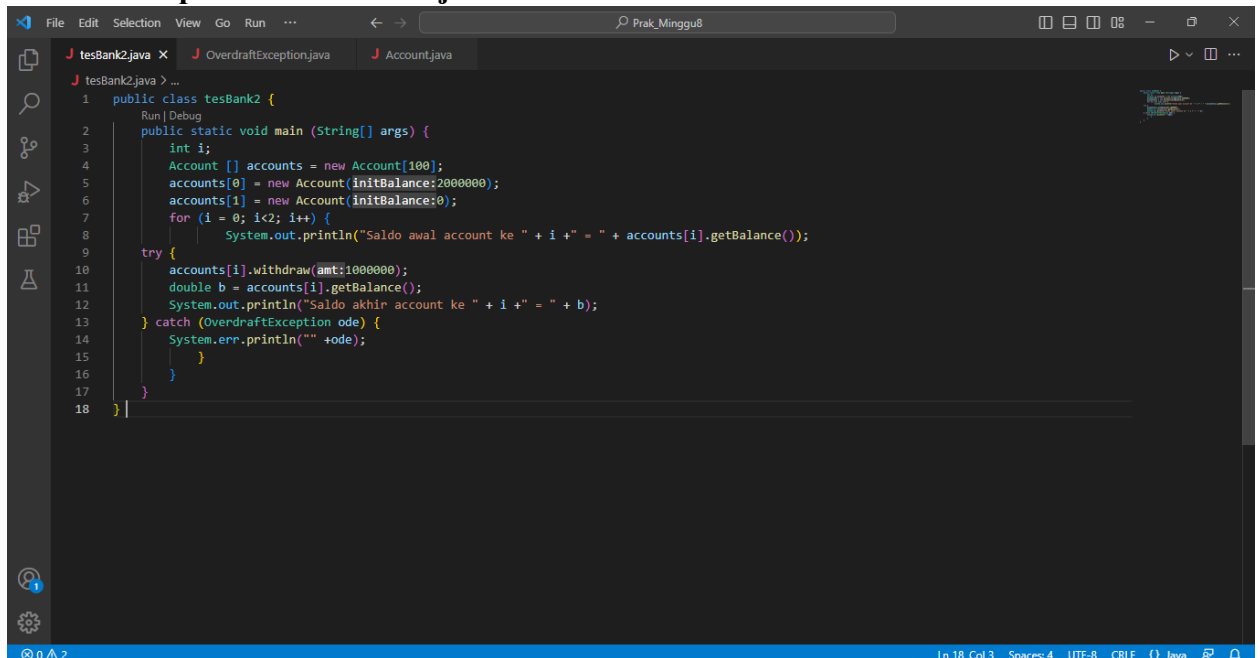
The status bar at the bottom shows "Ln 11, Col 1", "Spaces: 4", "UTF-8", "CRLF", and "Java".

- Source code pada file Account.java



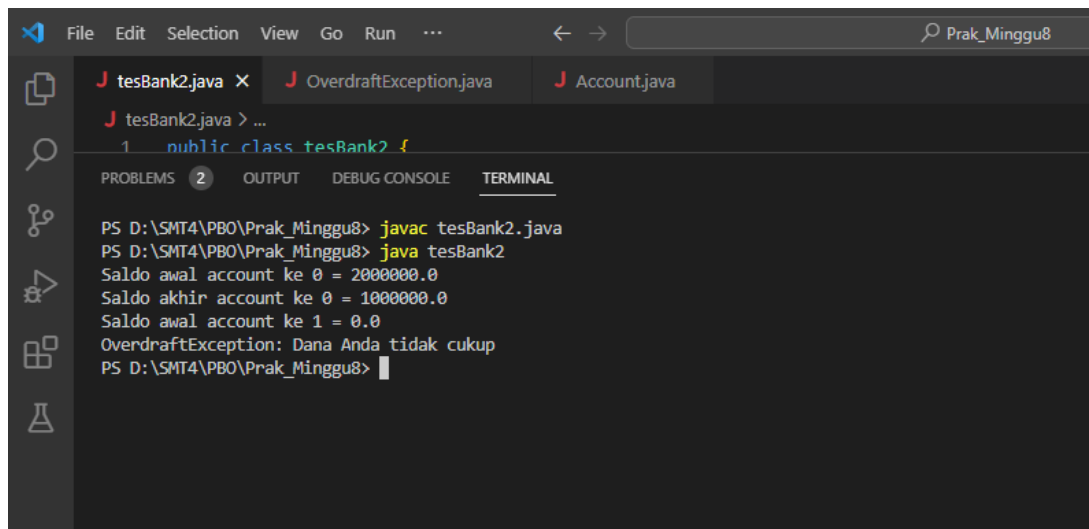
```
1 public class Account {
2     protected double balance ;
3     protected Account(double initBalance) {
4         balance = initBalance;
5     }
6     public double getBalance() {
7         return balance;
8     }
9     public void deposit(double amt){
10        balance = balance + amt;
11    }
12    public void withdraw(double amt) throws OverdraftException{
13        if (amt<=balance) {
14            balance = balance - amt;
15        } else {
16            throw new OverdraftException(msg:"Dana Anda tidak cukup", amt-balance);
17        }
18    }
19 }
20
```

- Source code pada file tesBank2.java



```
1 public class tesBank2 {
2     public static void main (String[] args) {
3         int i;
4         Account [] accounts = new Account[100];
5         accounts[0] = new Account(initBalance:2000000);
6         accounts[1] = new Account(initBalance:0);
7         for (i = 0; i<2; i++) {
8             System.out.println("Saldo awal account ke " + i + " = " + accounts[i].getBalance());
9         }
10        try {
11            accounts[i].withdraw(amt:1000000);
12            double b = accounts[i].getBalance();
13            System.out.println("Saldo akhir account ke " + i + " = " + b);
14        } catch (OverdraftException ode) {
15            System.err.println(" " + ode);
16        }
17    }
18 }
```

- Hasil run



```
File Edit Selection View Go Run ...
tesBank2.java x OverdraftException.java Account.java
tesBank2.java > ...
1 public class tesBank2 {

PROBLEMS 2 OUTPUT DEBUG CONSOLE TERMINAL

PS D:\SMT4\PB0\Prak_Minggu8> javac tesBank2.java
PS D:\SMT4\PB0\Prak_Minggu8> java tesBank2
Saldo awal account ke 0 = 2000000.0
Saldo akhir account ke 0 = 1000000.0
Saldo awal account ke 1 = 0.0
OverdraftException: Dana Anda tidak cukup
PS D:\SMT4\PB0\Prak_Minggu8>
```