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Tugas Minggu 8

OverdraftException.java

```java
public class OverdraftException extends Exception{
    private final double deficit;
    public OverdraftException(String msg, double deficit){
        super(msg);
        this.deficit = deficit;
    }
    public double getDeficit(){
        return deficit;
    }
}
```

Account.java

```java
import java.nio.channels.OverlappingFileLockException;

public class Account{
    protected double balance;
    protected Account (double initBalance){
        balance = initBalance;
    }
    public double getBalance(){
        return balance;
    }
    public void deposit(double amt){
        balance = balance +amt;
    }
    public void withdraw(double amt) throws OverdraftException {
        if (amt <= balance) {
            balance = balance - amt;
        }else{
            throw new OverdraftException("Dana Anda tidak cukup", amt-balance);
        }
    }
}
```

tesBank2.java

```java
class tesBank2 {
    public static void main (String[] args) {
        int i;
        Account [] accounts = new Account[100];
        accounts [0] = new Account(2000000);
        accounts [1] = new Account(0);
        for (i = 0; i<2; i++){
            System.out.println("Saldo awal account ke"+ i +" = "
+accounts[i].getBalance());
            try{
                accounts[i].withdraw(1000000);
                double b = accounts[i].getBalance();
                System.out.println("Saldo akhir account ke"+ i +" = "+b);
            }catch (OverdraftException ode){
                System.out.println("null" +ode);
            }
        }
    }
}
```

Hasil Run:


```
PROBLEMS  1    OUTPUT    DEBUG CONSOLE    TERMINAL                                                          Run: tesBank2  + ∨  ⬚

Install the latest PowerShell for new features and improvements! https://aka.ms/PSWindows

PS D:\kuliahh\PBO\tugas8>  & 'C:\Program Files\Java\jdk-19\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\a
aming\Code\User\workspaceStorage\37076b65777f6fec51060879b2b8da9a\redhat.java\jdt_ws\tugas8_b310d040\bin' 'tesBank2'
Saldo awal account ke0 = 2000000.0
Saldo akhir account ke0 = 1000000.0
Saldo awal account ke1 = 0.0
nullOverdraftException: Dana Anda tidak cukup
PS D:\kuliahh\PBO\tugas8>
```