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Kelas : B

NIM : F1D018027

TUGAS 4 PBO

1. Latihan Static Method

Kode “AccountF1D018027.java”:

|  |
| --- |
| public class AccountF1D018027 {  private double balance;    public AccountF1D018027(double balance){  this.balance = balance;  }    public double getBalance(){  return balance;  }    public boolean deposit(double amt){  if(amt > 0){  balance += amt;  return true;  } else  return false;  }    public boolean withdraw(double amt){  if(balance >= amt){  balance -= amt;  return true;  } else  return false;  }  } |

Kode “CustomerF1D018027.java”:

|  |
| --- |
| import java.util.ArrayList;  public class CustomerF1D018027 {  private String firstName;  private String lastName;  private ArrayList<AccountF1D018027> accounts = new ArrayList<AccountF1D018027>();    public CustomerF1D018027(String fname, String lname){  firstName = fname;  lastName = lname;  }    public String getFirstName(){  return firstName;  }    public String getLastName(){  return lastName;  }    public AccountF1D018027 getAccount(int index){  return accounts.get(index);  }    public void setAccount(int index, AccountF1D018027 acc){  if(index >= accounts.size())  addAccount(acc);  else  accounts.set(index, acc);  }    public void addAccount(AccountF1D018027 acc){  accounts.add(acc);  }    public int getNumberOfAccount(){  return accounts.size();  }  } |

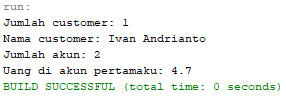
Kode “BankF1D018027.java”:

|  |
| --- |
| import java.util.ArrayList;  public class BankF1D018027 {  private ArrayList<CustomerF1D018027> customers = new ArrayList<CustomerF1D018027>();    public void addCustomer(CustomerF1D018027 cst){  customers.add(cst);  }    public int getNumberOfCustomers(){  return customers.size();  }    public CustomerF1D018027 getCustomer(int index){  return customers.get(index);  }  } |

Kode “Main.java”:

|  |
| --- |
| public class Main {  public static void main(String[] args) {  BankF1D018027 bni = new BankF1D018027();  bni.addCustomer(new CustomerF1D018027("Ivan", "Andrianto"));  System.out.println("Jumlah customer: "+bni.getNumberOfCustomers());    CustomerF1D018027 ivan = bni.getCustomer(0);  System.out.println("Nama customer: "+ivan.getFirstName()+" "+ivan.getLastName());  ivan.addAccount(new AccountF1D018027(4.2));  ivan.addAccount(new AccountF1D018027(3.2));  System.out.println("Jumlah akun: "+ivan.getNumberOfAccount());    AccountF1D018027 firstAccount = ivan.getAccount(0);  firstAccount.deposit(0.5);  System.out.println("Uang di akun pertamaku: "+firstAccount.getBalance());  }  } |

Hasil *run*:



Gambar 4.1 Hasil *run*