```
Revision
• Explain the meaning of each word/special character.
• Also explain how the following statements are executed.

Student amy = new Student();
amy.setName("Amy Chan");

public class Student {
  private String name;
  ...
  public void setName(String aName) {
    name = aName;
  }
}
```

```
Customer-2.java
  1 public class Customer{
                                               Lab 02 Issues
    String name;
    int age;
                                                  · only .java files are
    String inputName
    String inputAge;
                                                     needed (no .class
                                                     file, no .doc file)
    public void setName(St
    name= inputName;
                                                     indentation
    public void setAge(int inputAg
age = inputAge;
                                                     "private" for
                                                     attribute
 15 //getter
16 public String getName(){
                                                     no need to declare
                                                     parameter variables
    return name;
 20 public int getAge(){
21 return age:
   8/24/2016
                                                                           24
```

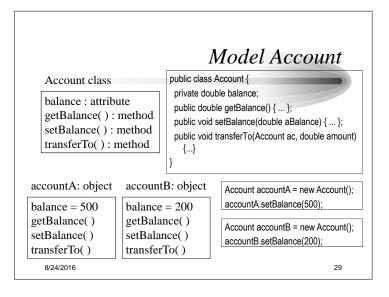


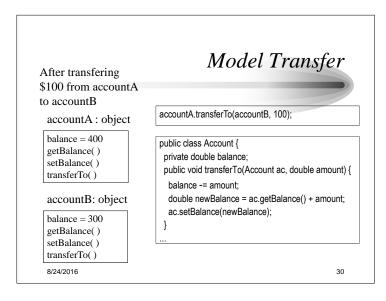
```
Error messages
• File : lineNumber : error message
                                      position
HelloWorld.java
    public class
                 HelloWorld
     public stat
                  c void mai
                            (String[] arg
                  .println("
        System.out
                            Hello World")
× HelloWorld.java:3: ';' expected
     System.out.println("Hello World")
 > Terminated with exit code 1.
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                                                   27
```

Transfer money using objects

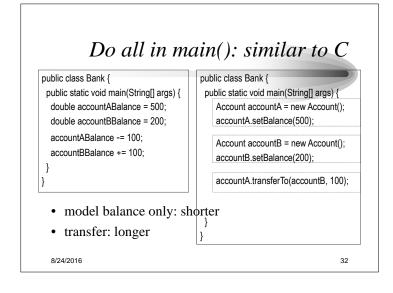
- Want to: transfer \$100 from account A to account B
- model account: balance (simplest)
- model transfer (debit account A and credit account B)

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public class Bank { public static void main(String[] args) { Account accountA = new Account(); accountA.setBalance(500); Account accountB = new Account(); accountB.setBalance(200); accountA.transferTo(accountB, 100); } }



```
public class Bank {
    public static void main(String[] args) {
        String accountABalance = "500";
        String accountBBalance = "200";
        accountABalance = "" + (Double.parseDouble(accountABalance) - 100);
        accountBBalance = "" + (Double.parseDouble(accountBBalance) + 100);
    }
}

• all statements need to be changed
• usually application much longer (e.g. 3000 lines)
```

