Introduction to Java
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ESTECO SpA

Introduction to Java

Part VI – Package structure

Packages

A package is a structure in which classes can be organized.

It can contain any number of classes, usually related by purpose or by inheritance.

The standard classes in the system are organized in packages

```java
import java.util.*; // or import java.util.Date

public class TestDate {
  public static void main(String[] args) {
    System.out.println(new Date());
  }
}
```

Packages

```java
package myBook;

public class Book {
  String title;
  String author;
  int numberOfPages;
}
```

Package name is defined by using the keyword package as the first instruction

```java
package myBook;

public class ExampleBooks {
 public static void main(String[] args) {

   Book b = new Book();
   b.title = "Java 8 Lambdas";
   b.author = "Richard Warburton";
   b.numberOfPages = 168;
   System.out.println(b.title + " : " +
     b.author + " : " + b.numberOfPages);
 }
}
```
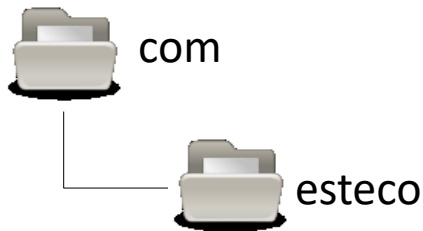
Packages

```java
package com.esteco;

public class Book {
  String title;
  String author;
  int numberOfPages;
}
```

```java
package com.esteco;

public class ExampleBooks {
  public static void main(String[] args) {

    Book b = new Book();
  }
}
```

com

esteco

There is a correspondence between the package name and the directory structure where the classes are located

Thank you for your attention!

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