



Practical Java Programming

DEBUGGING WITH ECLIPSE

Instructor:



Agenda



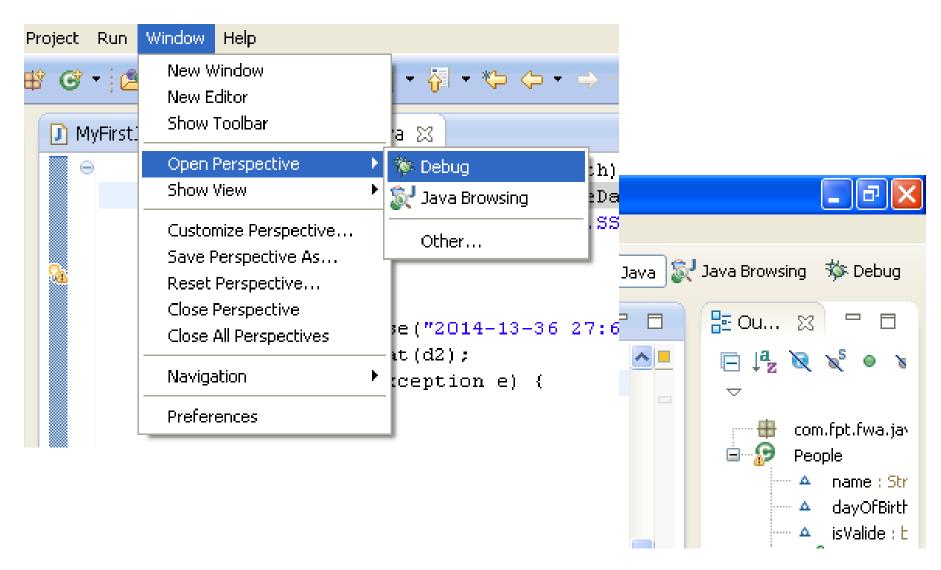


- Debugging feature
- ♦ Breakpoint
- Debug Step into, Step over Step return
- Watcher
- Comment bloc

Debugging perspective



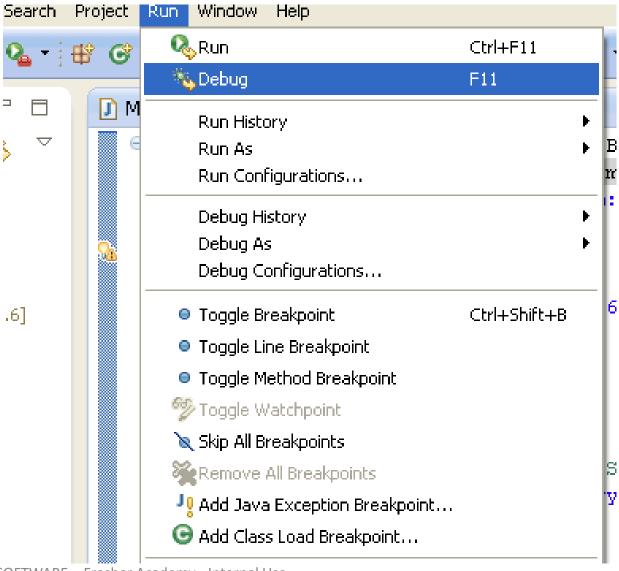




Debug starting



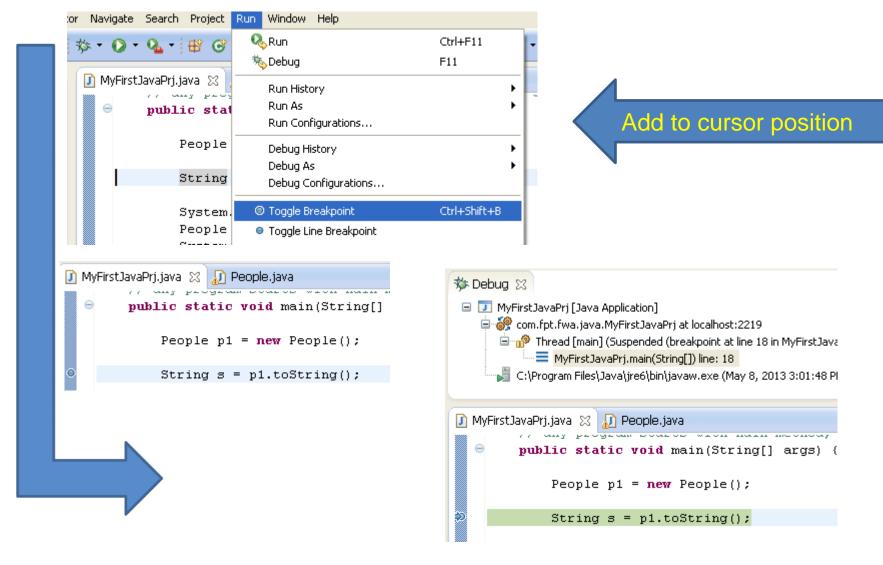




Add Breakpoint



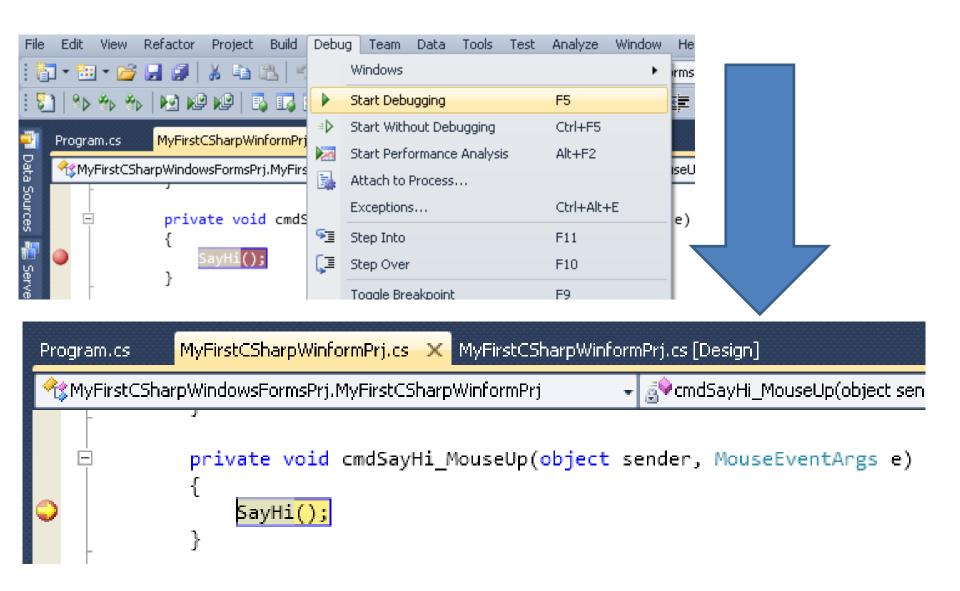




Using Breakpoint



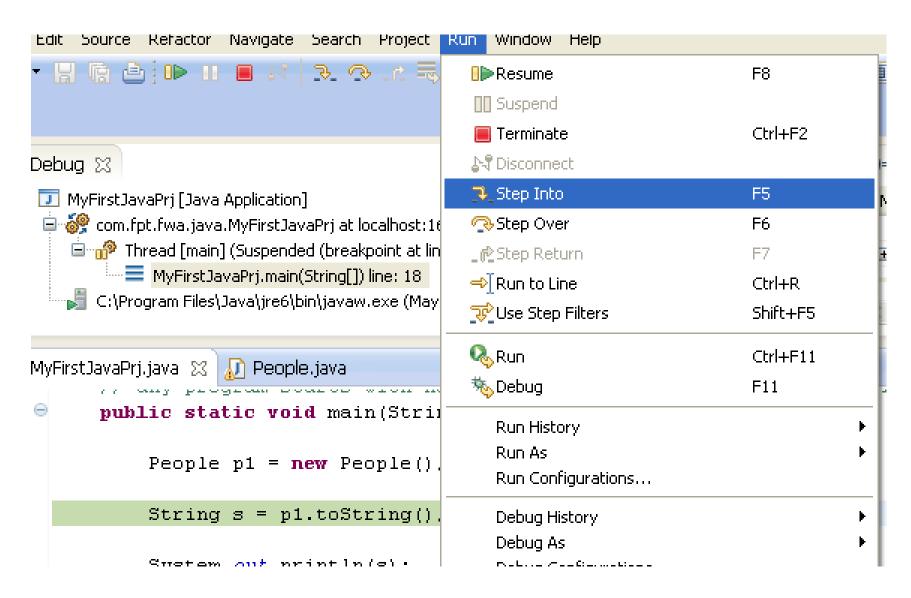




Step Into starts







Step Into



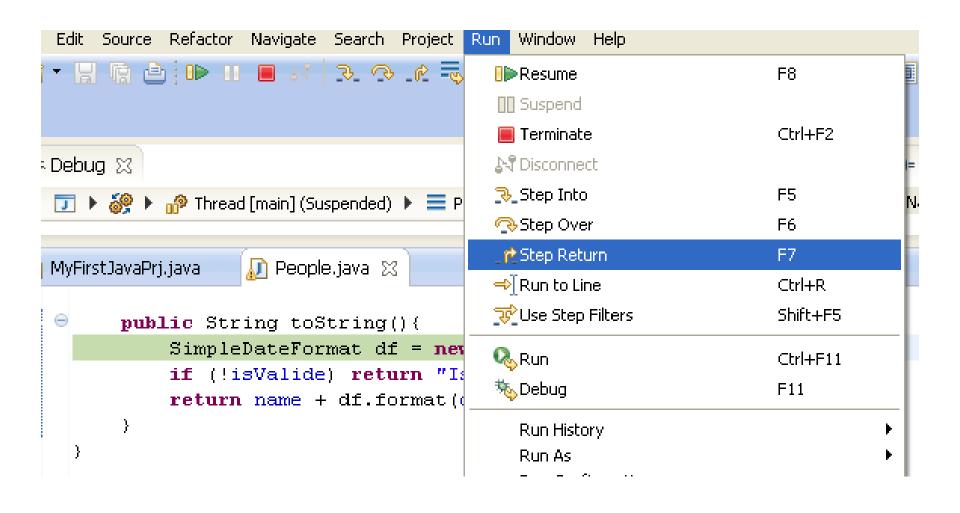


```
public String toString() {
    SimpleDateFormat df = new SimpleDateFormat("dd/MM/yyyy");
    if (!isValide) return "Is not valide object";
    return name + df.format(dayOfBirth);
}
```

Step Return







Step out



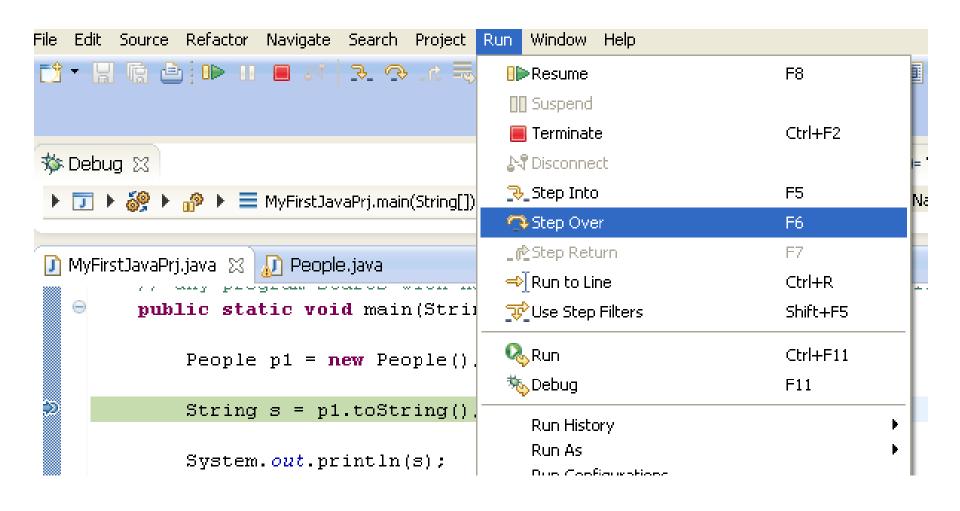


```
MyFirstJavaPrj.java 💢 🎵 People.java
      public static void main(String[] args) {
          People p1 = new People();
          String s = p1.toString();
          System.out.println(s);
```

Step Over stars







Step over

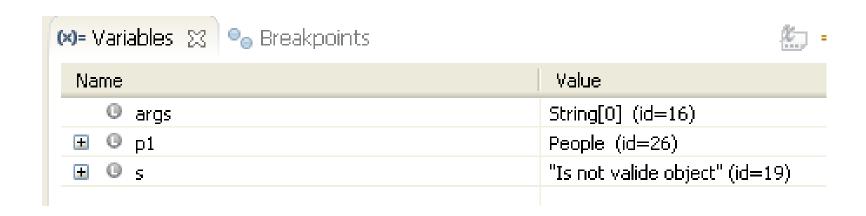




Variable watcher



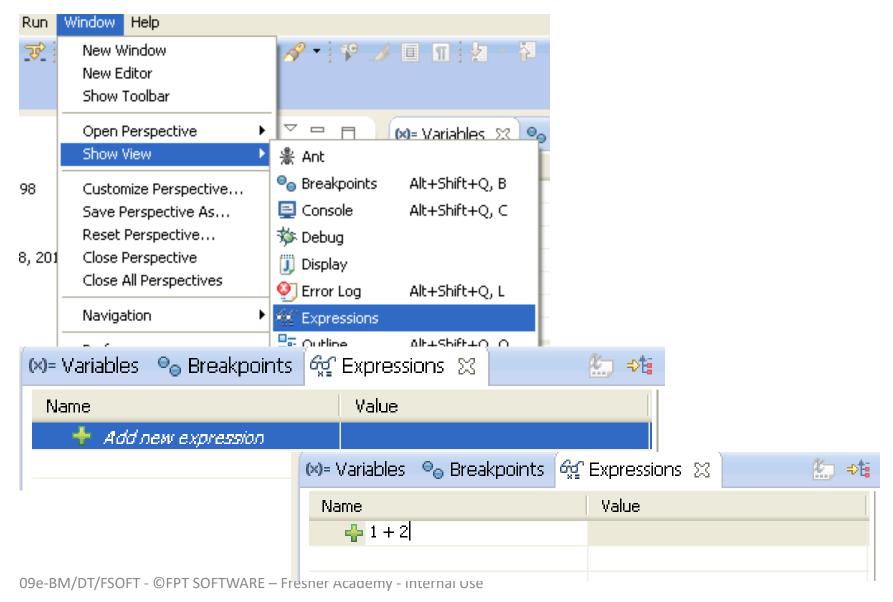




Expression watcher







Customized: out of context



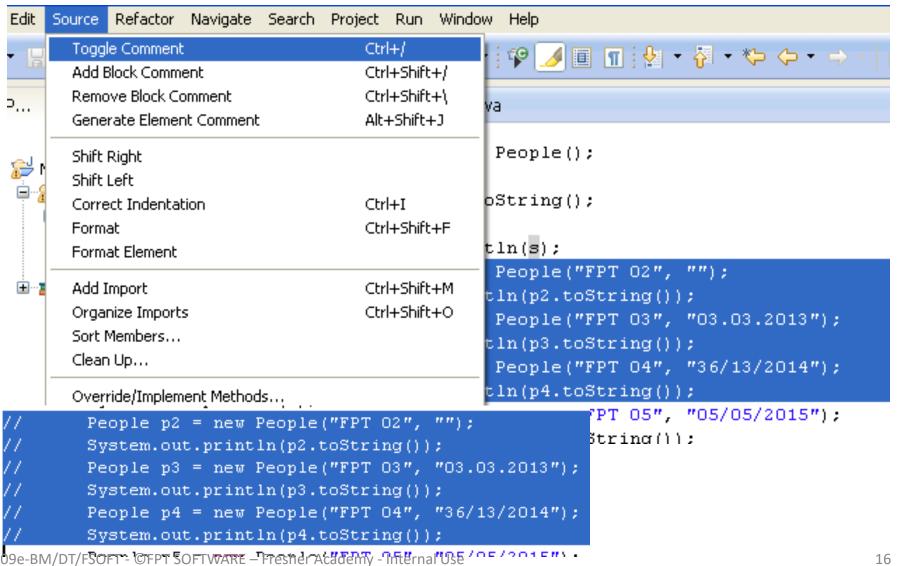


(×)= Variables ⊖ _⊕ Breakpoints	ఈ Expressions 🖂	Æ ⇒ti	
Name	Value		
^{X+y} "1 + 2"	3		
± ^{x+y} "a"	<error(s)_during_the_e< td=""><td colspan="2"><error(s)_during_the_evaluation></error(s)_during_the_evaluation></td></error(s)_during_the_e<>	<error(s)_during_the_evaluation></error(s)_during_the_evaluation>	
🕂 Add new expression			

Deactivate/Reactivate







Lesson Summary





- Start debugging: F11
- Breakpoint: Ctrl+Shift+B key
- Debug Step into and Step over: F5/F6 key
- Debug Step return: F7
- Debug Continue: F8
- Watcher: for variable "in context"
- Comment bloc: Ctrl+/





Thank you

