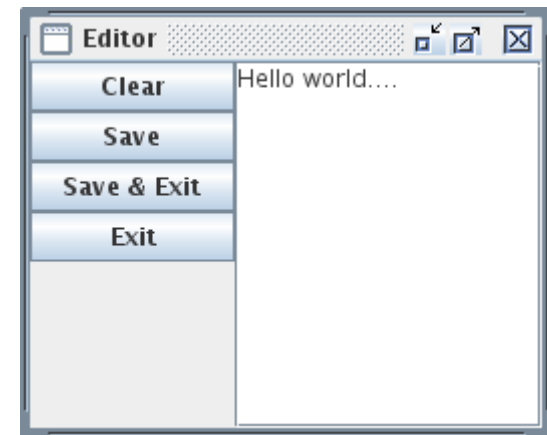


# Assignment 1

- Finish the editor from the previous practicals
- Extend the editor by a “panel with tools”
  - as in the figure
  - recommendation
    - use JPanel and GridBagLayout



# Assignment 2

- There is a given file (database) with a list of people
  - a single person per line
  - fields on the line are separated by semicolon
    - ID;name;surname;day-of-born;address
- create a program, which reads the file and displays it using GUI
  - on the left side, there will be a JList with a list of all people
    - shows name and surname
  - on the right side, there will be labels and read-only JTextFields, in which all fields of a selected person are shown
  - if selection is changed, fields of the person are shown
- extension – make some fields (e.g. address) editable
  - at the end, the file is saved

Testy...

# Test 1

- What does the following program?

```
public class TestString {  
    public static void main(String[] args) {  
        String s = new String("Hello world");  
        System.out.println(s);  
    }  
}
```

```
class String {  
    private final java.lang.String s;  
    public String(java.lang.String s) {  
        this.s = s;  
    }  
    public java.lang.String toString() {  
        return s;  
    }  
}
```

- A cannot be compiled
- B prints Hello world
- C something else happens

# Test 2

- Is it possible to declare the class B, so that the program prints false? But without overriding the method equals!

```
public class A {  
    public static void main(String[] args) {  
        B b = new B();  
        System.out.println(b.equals(b));  
    }  
}
```

# Test 2

- Solution
  - overload the method equals
  - i.e. define the method

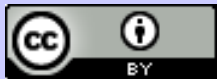
```
public boolean equals(B b) {  
    return false;  
}
```

- Continuation – and without overloading?

# Test 2

- Also yes

```
class B {  
    public B() {  
        System.out.println(false);  
        System.exit(0);  
    }  
}
```



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