Éléments de correction de TP – NFA031

Raphaël Fournier-S'niehotta, fournier@cnam.fr

Novembre 2014

1 TP7

1.1 Exercice 1

1.1.1 Question 1

```java
class TP7q1{

    public static void nEtoiles(int n){
        for (int i = 0; i < n; i++) {
            Terminal.ecrireChar('*');
        }
        Terminal.ecrireString("\n");
    }
    public static void main(String[] args){
        nEtoiles(5);
    }
}
```

1.1.2 Question 2

```java
class TP7q2{
    public static void intervalle(int n){
        Terminal.ecrireChar('*');
        for (int i = 0; i < n-2; i++) {
            Terminal.ecrireChar(' ');
        }
        Terminal.ecrireChar('*');
        Terminal.ecrireString("\n");
    }
    public static void main(String[] args){
        intervalle(5);
    }
}
```

1.1.3 Question 3

```java
class TP7q3{
    public static void carre(int n){
        nEtoiles(n);
        for (int i = 0; i < n-2; i++) {
            intervalle(n);
        }
        nEtoiles(n);
    }
    public static void main(String[] args){
        carre(5);
    }
}
```

1.1.4 Question 4

```java
class TP7q4{
    public static void carre2(int n,boolean vide){
        nEtoiles(n);
        for (int i = 0; i < n-2; i++) {
            if(vide){
                intervalle(n);
            }else{
                nEtoiles(n);
            }
        }
        nEtoiles(n);
    }
    public static void main(String[] args){
        carre2(5,false);
        carre2(5,true);
    }
}
```

1.1.5 Question 5

```java
class TP7q5{
    public static void triangleRectangle(int n){
        for (int i =n; i >0; i--) {
            nEtoiles(i);
        }
    }
    public static void main(String[] args){
        triangleRectangle(5);
    }
}
```