Rapport De TP1 Java

Exercice1:

EntNat:

```
package EX1;

public class EntNat {
    private int nbr;
    public EntNat(int nbr) throws ErrConst{
        if(nbr < 0) throw new ErrConst("le nombre entré n'est pas un nombre entier
naturel");
        this.nbr=nbr;
    }
    public int getN() {
        return nbr;
    }
}</pre>
```

ErrConst:

```
package EX1;

public class ErrConst extends Exception {
    public ErrConst(String error) {
        super(error);
    }
}
```

Test:

Exercice 2:

EntNat:

```
package EX2;

public class EntNat {
    public static int somme(int i,int y) throws ErrSom {
        if(i+y<0) throw new ErrSom("Additon Impossible (supérieure à MAX_VALUE des entiers)");
        return i+y;
    }
    public static int diff(int i,int y) throws ErrDiff {
        if(i-y<0) throw new ErrDiff("Soustraction Impossible (supérieure à MAX_VALUE des entiers)");
        return i-y;
    }
    public static int prod(int i,int y) throws ErrProd {
        if(i+y<0) throw new ErrProd("Produit Impossible (supérieure à MAX_VALUE des entiers)");
        return i+y;
    }
}</pre>
```

ErrConst:

```
package EX2;

public class ErrConst extends Exception {
    private int nb;
    public ErrConst(int nb) {
        this.nb=nb;
    }
    public int getnb() {
        return nb;
    }
}
```

ErrDiff:

```
package EX2;

public class ErrDiff extends Exception{
    public ErrDiff(String error) {
        super(error);
    }
}
```

ErrSomme:

```
package EX2;

public class ErrSom extends Exception{
    public ErrSom(String error) {
        super(error);
    }
}
```

ErrProd:

```
package EX2;

public class ErrProd extends Exception{
    public ErrProd(String error) {
        super(error);
    }
}
```

Test: