

TD Types simples

Exercice 1: Manipulations sur les nombres entiers.

Quels sont les résultats obtenus avec les instructions suivantes ?

```
>>> a=16
```

```
>>> a
```

```
.....
```

```
>>> a=a*(a-2)
```

```
>>> a
```

```
.....
```

```
>>> a=a+16
```

```
>>> a
```

```
.....
```

```
>>> b=15
```

```
>>> b=b-12
```

```
>>> b=b**4
```

```
>>> b
```

```
.....
```

```
>>> a>b
```

```
.....
```

```
>>> a>4*b
```

```
.....
```

Exercice 2: Notion de modulo.

Quels sont les résultats obtenus à la suite des instructions suivantes ?

```
>>> 46%7
```

```
.....
```

```
>>> 103%7
```

```
.....
```

```
>>> 203%45
```

```
.....
```

```
>>> 92%23
```

```
.....
```

Exercice 3: Manipulations sur les booléens.

Quels sont les résultats obtenus à la suite des instructions suivantes ?

```
>>> False or False
```

```
.....
```

```
>>> False or True
```

```
.....
```

```
>>> True or False
```

```
.....
```

```
>>> True and False
```

```
.....
```

```
>>> True and True
```

```
.....
```

```
>>> (True and False) or (True and True)
```

```
.....
```

```
>>> (True or False) and (True or True)
```

```
.....
```

```
>>> (True or False) and (True or True)
```

```
.....
```

```
>>> a=True
```

```
>>> b=False
```

```
>>> a=(a or b) and not (a and b)
```

```
>>> a
```

```
.....
```

```
>>> b=(a and b) and not (a or b)
```

```
>>> b
```

```
.....
```

```
>>> a or b
```

```
.....
```