EJERCICIOS ELEMENTOS DE UN PROGRAMA

1. Ejecuta las siguientes sentencias en el IDE de Python:

```
>>> a = 1 + 2 * 4
>>> b = 1 + 1
>>> c = a * b
>>> c
```

```
>>> a = 2
>>> b = a * 2
>>> c = a + 1
>>> d = a + b + c + 1
```

Calcular el área de un rectángulo de 4m de base por 2 de altura.

```
>>> base = 4
>>> altura = 2
>>> Area = base * altura
>>> Area
```

```
>>> a = 1
>>> a = 2
>>> a
```

```
>>> a = 2
>>> b = 1 / 5
>>> a = a + b
>>> a
```

```
>>> a = 1
>>> b = 2
>>> a = b
>>> b = a
>>> a
>>> b
```

```
>>> a = 1
>>> b = 2
>>> c = a
>>> a = b
>>> b = c
>>> a
>>> b
```

```
>>> booleen1 = False
>>> booleen2 = True
>>> booleen1
>>> booleen2
```

```
>>> not booleen1
>>> not booleen2
>>> booleen1
>>> booleen2

>>> booleen1 = False
>>> booleen2 = True
>>> booleen1 and booleen2


>>> True and True
>>> False and True
>>> booleen1 = True
>>> booleen2 = False
>>> booleen1 and booleen2

>>> not True and False
>>> True and not False
>>> not True and not False

>>> booleen1 = True
>>> booleen2 = False
>>> not booleen1 and booleen2
>>> not not True
>>> booleen1 and not booleen2

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

>>> booleen1 = True
>>> booleen2 = False
>>> booleen1 or booleen2

>>> val1 = False
>>> val2 = False
>>> val2 or val2

>>> not True or not False
>>> not (True and False) or (not True and False)

>>> not True and (not False or True)
>>> not (False or True) and (True and not False)

>>> 0 = 1
>>> 0 == 1
>>> 0 == 0
>>> 0 != 1
```

```
>>> 1 == 1
>>> 0 != 4
>>> True == False
>>> True ==  True

>>> 0 > 1
>>> 0 < 1
>>> 45 + 3 > 45 – 3

>>> 1 > 2
>>> 2 > 3 + 2
>>> 10 + 2 > 17 – 1
```