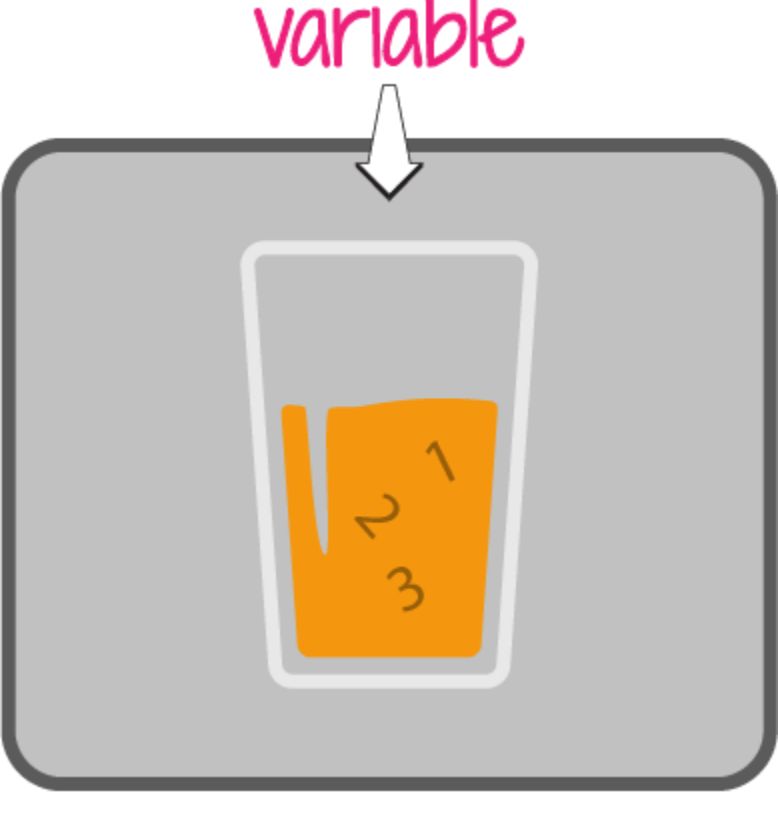# Homework S02 T01

Simple Calculations

- ### Creating Variables and Mathematical Operations

variable

```
In [12]:    person1 = "Carla"
            person2 = "Didac"
            person3 = "Sira"
            groupOfFriends = [person1, person2, person3]
            print (groupOfFriends)

            ['Carla', 'Didac', 'Sira']
```

```
In [13]:    x = 1979
            y = 2021
            z = x+y*y
            print (z)

            4086420
```

```
In [15]:    child= input("how old are you?: ")
            mom = input ("how old is your mother?: ")
            superBeingAge = child+mom
            print (superBeingAge)

            how old are you?: 34
            how old is your mother?: 78
            3478
```

- ### Casting

casting

```
In [23]:    child= input("how old are you?: ")
            mom = input ("how old is your mother?: ")
            notSuperBeingAge = int(child)+int(mom)
            print (notSuperBeingAge)

            how old are you?: 34
            how old is your mother?: 78
            112
```

```
In [24]:    notSuperBeingAge/int(superBeingAge)

Out[24]:    0.03220241518113859
```

```
In [27]:    float(notSuperBeingAge)* float(superBeingAge)

Out[27]:    389536.0
```

- ### String Techiques or *técnicas de* String


```
In [33]:    word = "string"
            for x in word:
                print (x)

            s
            t
            r
            i
            n
            g
```

```
In [38]:    print("string"[::-1])
            print ("String"[2:6])

            gnirts
            ring
```

```
In [32]:    if "s" in "string":
                print ("hurray!")

            hurray!
```

```
In [40]:    print(word.upper())
            print (word.lower())
            print(word.lower()+" " + word.upper()+ " " + word)

            STRING
            string
            string STRING string
```

```
In [41]:    sayItWrite = "You have to find the write {} of letters for your text"
            print(sayItWrite.format(word))

            You have to find the write string of letters for your text
```

- ### Booleans

BOO!

Types of Booleans

1. Boolean: True
2. Boolean: False

```
In [43]:    def verdadero() :
                return True

            print(verdadero())

            True
```

```
In [44]:    def mentira() :
                return False

            if mentira():
                print("this is a lie")
            else:
                print("it is false but truthful")

            it is false but truthful
```

```
In [48]:    print(45<780)

            True
```

```
In [ ]:
```