# Lab 1

(Prof. Carlos J. Costa)

Solve the following questions without using decision statements (e.g. if) or loops (e.g. for).

**1)** Verify da data type of a specific variable.

```
In [1]:    #Code here
```

**2)** What is the diference between / and //? Exemplify

```
In [2]:    #Code here
```

**3)** Ask the user the capital and give him the results of invested capital. 5% a year during 5 years.

```
In [3]:    #Code here
```

**4)** What is the result of the follwoing code? Show with code.

a,b,c,d = "JOHN SMITH".lower(), "john smith".upper(), "john smith".title(), "john smith".capitalize()

```
In [4]:    #Code here
```

**5)** Use the following method to show in which character appears the first "da"

```
str="ola ola"
sub = "a"
start=0
end= len(str)
str.find(sub,start,end)
```

What happens if the content of sub is not found in str?

```
In [5]:    #Code here
```

**5)** What is the output of this code:

```
str="We should eate vegetables and more vegetables "
string1 = "hamburgers"
string2= "vegetables"
str.replace(string2,string1)
```

```
In [ ]:    #Code here
```