LABORATORIO 1

```
#ej1
message = 'Hola mundo desde PYTHON'
number1 = 10
print('Mostrando un mensaje:', message +str(number1))

#ej2
N = 11
for i in range(0, N, 1):
    print(i)

#ej3
N = 11
result = ''
for i in range(0, N, 1):
   result = result + str(i) + ', '
print(result)

#ej4
N = 20
result = ''
for i in range(2, N+1, 2):
   result = result + str(i) + ', '
print(result)

#ej5
N = int(input("ingrese el valor de N: "))
i = 1
result = ''
while i<=N:
    result = result +str(i) + ', '
    i = i +1
print(result)

#ej6
N = int(input("ingrese el valor de N: "))
result = ''
for i in range(2, (N+1)*2, 2):
   result = result + str(i) + ', '
print(result)
```

Manejo de Clases

```
class Student:
   fullname = ''
   lastname = ''

   def __init__(self, fullname, lastname):
      self.fullname = fullname
```

```
        self.lastname = lastname

    def getfullname(self):
        return self.fullname

    def setlastname(self, lastname):
        self.lastname = lastname

    def printstudent(self):
        print("Student:", self.fullname, self.lastname)

student1 = Student('Brayan', 'Blanco')
student1.printstudent()
```

IMPORTAR CLASES A UNA CLASE MAIN
SCRIPT 1

```
# from name_del_archivo import nombre_de_la_clase
from  student import Student

student1 = Student('Brayan', 'Blanco')
student1.printstudent()

student2 = Student('Pamela', 'Choquehuanca')
student2.printstudent()
```

SCRIPT 2

```
class Student:
    fullname = ''
    lastname = ''

    def __init__(self, fullname, lastname):
        self.fullname = fullname
        self.lastname = lastname

    def getfullname(self):
        return self.fullname

    def setlastname(self, lastname):
        self.lastname = lastname

    def printstudent(self):
        print("Student:", self.fullname, self.lastname)
```

EJERCICIO FINAL DE LABORATORIO 1

```
class Math_utils:
    nameAPP = ''
    version = ''
    year = ''
```

```
    def __init__(self, nameAPP, version, year):
        self.nameAPP = nameAPP
        self.version = version
        self.year = year

    def printAPP(self):
        print("Math_utils:", self.nameAPP, self.version, self.year)

    def generateNaturalNumbers(self, limit):
        result = ''
        for i in range(1,limit+1,1):
            result = result + str(i) + ', '
        print(result)

    def generatePairNumbers(self , limit):
        result = ''
        for i in range(2,(limit+1)*2,2):
            result = result + str(i) + ', '
        print(result)

    def getExtensionFromCI(self):
        ci = str(input("ingrese el valor de CI: "))
        n=int(len(ci))
        print(ci[n-2:n])


math1 = Math_utils('Braybe','0,1','2020')
math1.printAPP()
math1.generateNaturalNumbers(5)
math1.generatePairNumbers(4)
math1.getExtensionFromCI()
```