

Dudas de replace

```
In [1]: s = "    1    , 3    "
print(s.replace(" ", ""))
```

1,3

Solución sin objetos

```
In [2]: lista = ["....", "c...", "u..."]
for en_plan in lista:
    if en_plan[0] == "u":
        print("un Uber")
    elif en_plan[0] == "c":
        print("un Cliente")
    else:
        print("Vacía")
```

Vacía
un Cliente
un Uber

Solución con objetos

```
In [3]: class Uber:
        def __init__(self, x, y):
            self.x = x
            self.y = y
```

```
In [4]: uber1 = Uber(1, 1)
lista = ["....", "....", uber1]
```

```
for elemento in lista:
    print(elemento)
```

....
....
<__main__.Uber object at 0x000001C72371FE80>

```
In [5]: class Uber:
        def __init__(self, x, y):
            self.x = x
            self.y = y
```

```
In [6]: uber1 = Uber(1, 1)
lista = ["....", "....", uber1]
```

```
for elemento in lista:
    print(type(elemento))
    if type(elemento) == Uber:
        print(f"({elemento.x}, {elemento.y})")
    else:
        print(elemento)
```

<class 'str'>
....
<class 'str'>
....
<class '__main__.Uber'>
(1, 1)

```
In [7]: class Uber:
        def __init__(self, x, y):
            self.x = x
            self.y = y

        def mostrar(self):
            return f"({self.x}, {self.y})"
```

```
In [8]: uber1 = Uber(12, 12)
lista = ["....", "....", uber1]
```

```
for elemento in lista:
    print(type(elemento))
    if type(elemento) == Uber:
        print(elemento.mostrar())
    else:
        print(elemento)
```

<class 'str'>
....
<class 'str'>
....
<class '__main__.Uber'>
(12, 12)

```
In [9]: class Uber:
        def __init__(self, x, y):
            self.x = x
            self.y = y

        def __str__(self):
            return f"({self.x}, {self.y})"
```

```
In [10]: uber1 = Uber(12, 12)
lista = ["....", "....", uber1]
```

```
for elemento in lista:
    print(elemento)
```

....
....
(12, 12)

```
In [11]: class Uber:
        def __init__(self, x, y):
            self.x = x
            self.y = y
            self.cliente = None

        def is_libre(self):
            if self.cliente == None:
                return True
            else:
                return False

        def buscar_cliente(self):
            pass

        def recoger_cliente(self, cliente):
            self.cliente = cliente

        def __str__(self):
            return f"({self.x}, {self.y}) llevando a {self.cliente}"

class Cliente:
    def __init__(self, nombre, x, y):
        self.x = x
        self.y = y
        self.nombre = nombre

    def __str__(self):
        return f"{self.nombre} y estoy en ({self.x}, {self.y})"

"""
Main
"""
if __name__ == "__main__":
    FILAS = 5
    COLUMNAS = 5
    uber1 = Uber(2, 2)
    cliente1 = Cliente("Ana", 1, 1)
    uber2 = Uber(1, 1)
    cliente2 = Cliente("Luis", 2, 2)

    print(cliente1)
    print(cliente2)

    uber1.cliente = cliente1
    uber1.recoger_cliente(cliente1)
    print(uber1)
```

Ana y estoy en (1, 1)
Luis y estoy en (2, 2)
(2, 2) llevando a Ana y estoy en (1, 1)

In []: