Python Programming Class Homework 2

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Homework 1: Our MyRange Class

- Remember:
 - \circ range(5, 10, 1) \Rightarrow 5 6 7 8 9
 - o range(5, 10, 2) \Rightarrow 5 7 9
- We will implement something that give us thoughts how such things work internally

Homework 1: Our MyRange Class

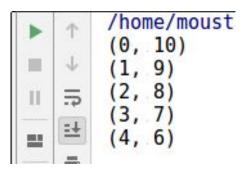
- Fill the constructor and the 2 methods to achieve this behaviour
- Assume the step > 0
- has_next: return True if more items can be returned
- get_next: return the next item

```
class MyRange:
 5
          def init (self, start, end, step):...
 9
          def has next(self):...
10
          def get next(self):...
13
17
18
      rng = MyRange(5, 10, 1)
19
20
      while rng.has next():
           print(rng.get next(), end=' ') # 5 6 7 8 9
23
      print()
24
       rng = MyRange(5, 10, 2)
25
      while rng.has next():
26
           print(rng.get next(), end=' ') # 5 7 9
```

Homework 2: Our MyRange Class (Flexible)

- You will re-implement to allow to extra points:
 - Step can be positive or negative
 - get_next return 2 items: idx and value (like enumerate)

```
rng = MyRange(10, 5, -1)
while rng.has_next():
    print(rng.get_next())
```



"Acquire knowledge and impart it to the people."

"Seek knowledge from the Cradle to the Grave."