

#Squares from 0*2 to 9*2

```
map(lambda val:val**2,range(10))
```



#Tuples with pointers

filter(lambda pair: pair[1] > 0, [(4, 1), (3, -2), (8, 0)])



```
sorted([(4,1),(3,-2),(8,0)],key=lambda pair:pair[1])
```

tripLe = lambda x: x*3 # This is bad. Why?

Using Lambdas

```
# Squares from 0**2 to 9**2
```

```
map(lambda val: val ** 2, range(10))
```

```
# Tuples with positive second elements
```

```
filter(lambda pair: pair[1] > 0, [(4,1), (3, -2), (8,0)])
```

```
# Sort a collection based on a custom function.
```

```
sorted([(4,1), (3, -2), (8,0)], key=lambda pair: pair[1])
```

```
triple = lambda x: x * 3 # This is bad. Why?
```

Why Use Lambdas?