

# ForLoopExamples

August 12, 2016

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In [ ]: x = [1, 2, 3, 4, 5]
        for item in x:
            print item
```

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In [ ]: x = [1, 2, 3, 4, 5]
        for item in x:
            print x
```

```
In [ ]: for i in range(10):
        print i
```

```
In [ ]: for i in range(10):
        if i % 3 == 0:
            print i
```

```
In [ ]: for i in range(10):
        print i
        if i % 3 == 0:
            continue
```

```
In [ ]: for i in range(10):
        if i % 3 == 0:
            continue
        print i
```

```
In [ ]: for i in range(10):
        if i % 3 == 0:
            continue
        print i
```

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In [ ]: for i in range(10):
        if i == 4:
            break
        print i
```

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In [ ]: for x in 'hello':
        print x
```

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In [ ]: for x in ['mango', 'pineapple', 'strawberry']:
        print x

In [ ]: for x in ['mango', 'pineapple', 'strawberry', 'kiwi']:
        if len(x) > 5:
            print x

In [ ]: for x in ['mango', 'pineapple', 'strawberry', 'kiwi']:
        if x in ['mango', 'strawberry']:
            print "My favorite " + x

In [ ]: # This one is tricky! Watch out for this mistake!
        for x in ['mango', 'pineapple', 'strawberry', 'kiwi']:
            if x == 'mango' or 'strawberry':
                print "My favorite " + x

In [ ]: # This is the correct way to write the example above.
        for x in ['mango', 'pineapple', 'strawberry', 'kiwi']:
            if x == 'mango' or x == 'strawberry':
                print "My favorite " + x

In [ ]: x = 'long word'
        for i in range(0, len(x)/2):
            print i

```