禪

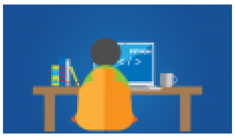
[illegible]

[illegible]

[illegible]

[illegible]

[illegible]



[illegible]

[illegible]

[illegible]

[illegible]

```
def findlinks(onepage, add_to=[]):
    new_links = onepage.search_for_links()
    add_to.extend(new_links)
    return add_to
```

[illegible] add_to [illegible]

```
def fn(var1, var2=[]):
    var2.append(var1)
    print var2
fn(3)
fn(4)
fn(5)
```

[illegible] [3] [illegible] [4] [illegible] [5] [illegible] [3] [illegible] [3,4] [illegible] [3,4,5] [illegible] (Immutable) [illegible]

```
def search_for_links(page, add_to=None):
    if not add_to:
        add_to = []
    new_links = page.search_for_links()
    add_to.extend(new_links)
    return add_to
```

[illegible]

[illegible]

```
class URLCatcher(object):
    urls = []
    def add_url(self, url):
        self.urls.append(url)
```

[illegible] add-url [illegible]

```
a = URLCatcher()
a.add_url('http://www.google.com')
b = URLCatcher()
b.add_url('http://www.mysite.co')

b.urls
['http://www.google.com', 'http://www.mysite.co']

a.urls
['http://www.google.com', 'http://www.mysite.co']
```

[illegible] a [illegible] b [illegible] b [illegible]

```
class URLCatcher(object):
    def __init__(self):
        self.urls = []
```

```
def add_url(self, url):
        self.urls.append(url)
```

[illegible]

[illegible]:

[illegible]

[illegible]:

[illegible]

[illegible]:

18:30 - 17/09/1396

[illegible]:

[illegible] - [illegible] - [illegible]

[illegible]

[illegible]: https://www.shabakeh-mag.com/workshop/10932/%D8%A7%DA%AF%D8%B1-%D8%A8%D8%B1%D9%86%D8%A7%D9%85%D9%87%E2%80%8C%D9%86%D9%88%DB%8C%D8%B3-%D9%BE%D8%A7%DB%8C%D8%AA%D9%88%D9%86-%D9%87%D8%B3%D8%AA%DB%8C%D8%AF-%D8%A7%D8%B2-%D8%A7%DB%8C%D9%86-%D8%AF%D9%88-%D8%A7%D8%B4%D8%AA%D8%A8%D8%A7%D9%87-%D8%AF%D9%88%D8%B1%DB%8C-%DA%A9%D9%86%DB%8C%D8%AF