

# To decouple check\_article

```
def find_bad_articles(bucket_name):
    client = boto3.client('s3', region_name=config.REGION_NAME)

    for page in get_pages(client, bucket_name, config.PREFIX):
        for key in keys_from(page):
            lines = get_file(client, bucket_name, key)
            if check_article(lines, config.THRESHOLD, config.STOCK_SYMBOLS):
                yield key

if __name__ == "__main__":
    print(list(find_bad_articles("my_bucket")))
```

# Inject a Predicate

```
def find_bad_articles(bucket_name, predicate):  
    client = boto3.client('s3', region_name=config.REGION_NAME)  
  
    for page in get_pages(client, bucket_name, config.PREFIX):  
        for key in keys_from(page):  
            lines = get_file(client, bucket_name, key)  
            if predicate(lines):  
                yield key  
  
if __name__ == "__main__":  
    print(list(find_bad_articles("my_bucket", predicate=???)
```