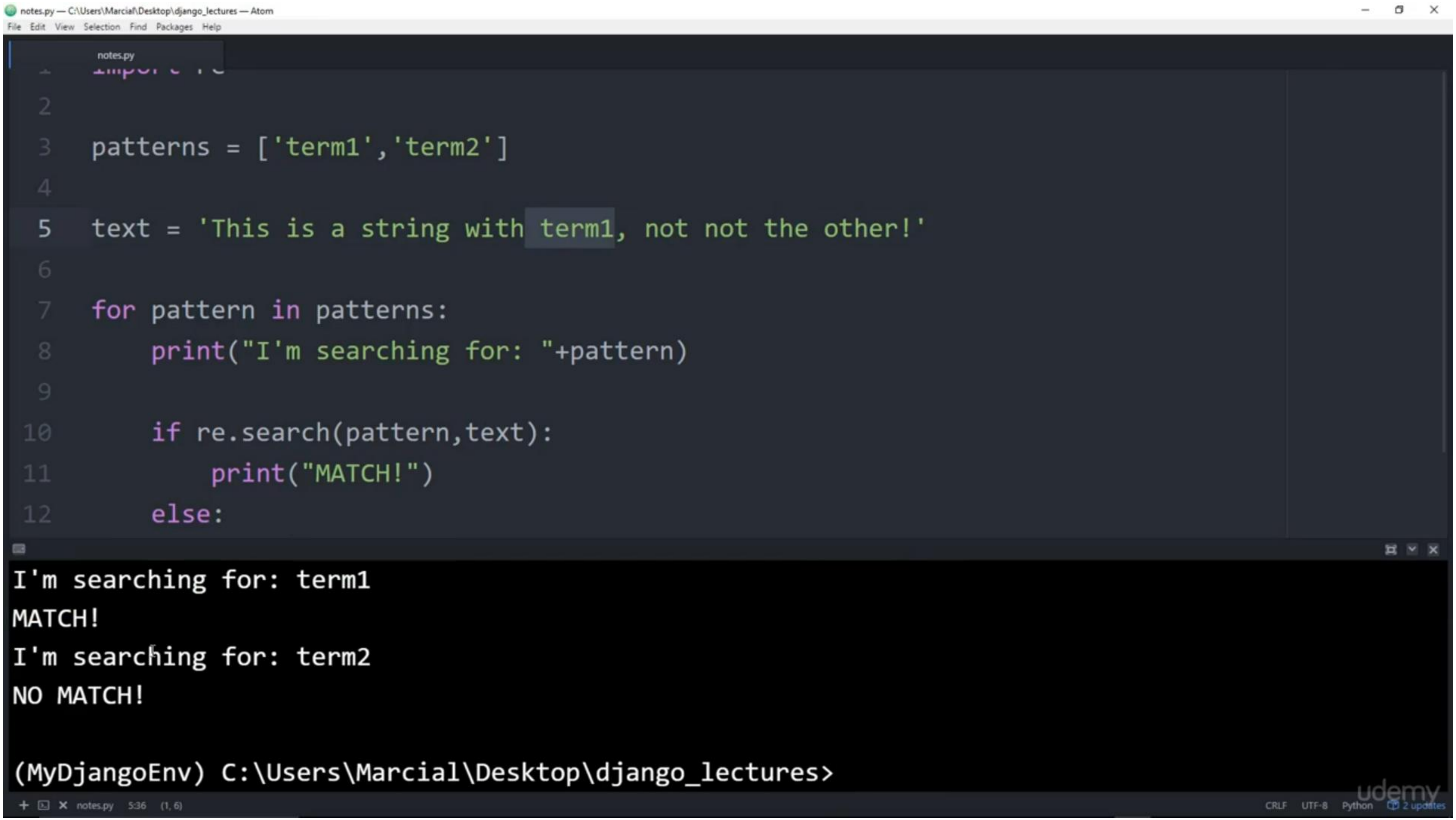
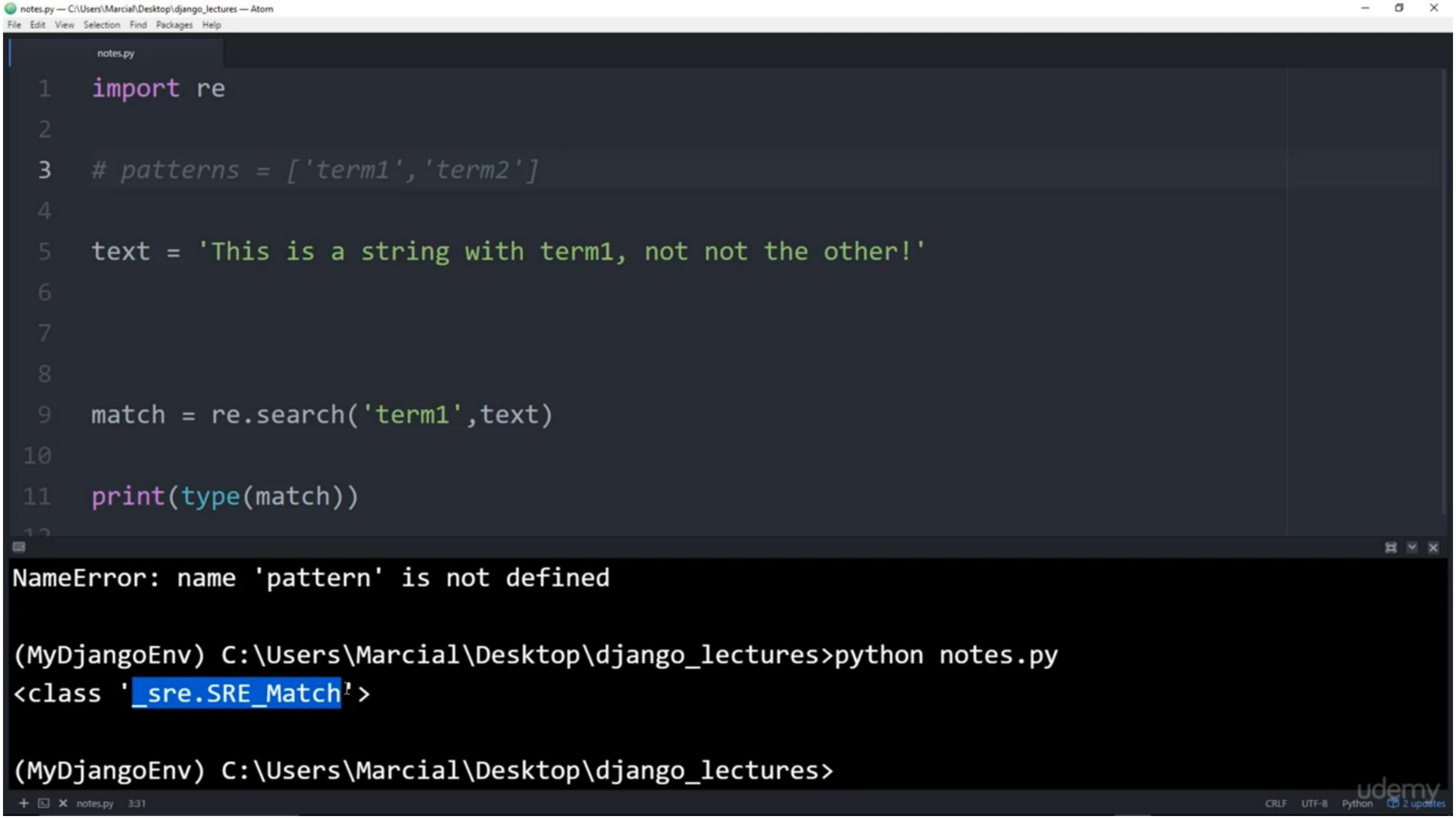

notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 5:36 (1, 6)
CRLF UTF-8 Python 2 updates
udemy

```python
import re

patterns = ['term1','term2']

text = 'This is a string with term1, not not the other!'

for pattern in patterns:
    print("I'm searching for: "+pattern)

    if re.search(pattern,text):
        print("MATCH!")
    else:
```

```
I'm searching for: term1
MATCH!
I'm searching for: term2
NO MATCH!

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```

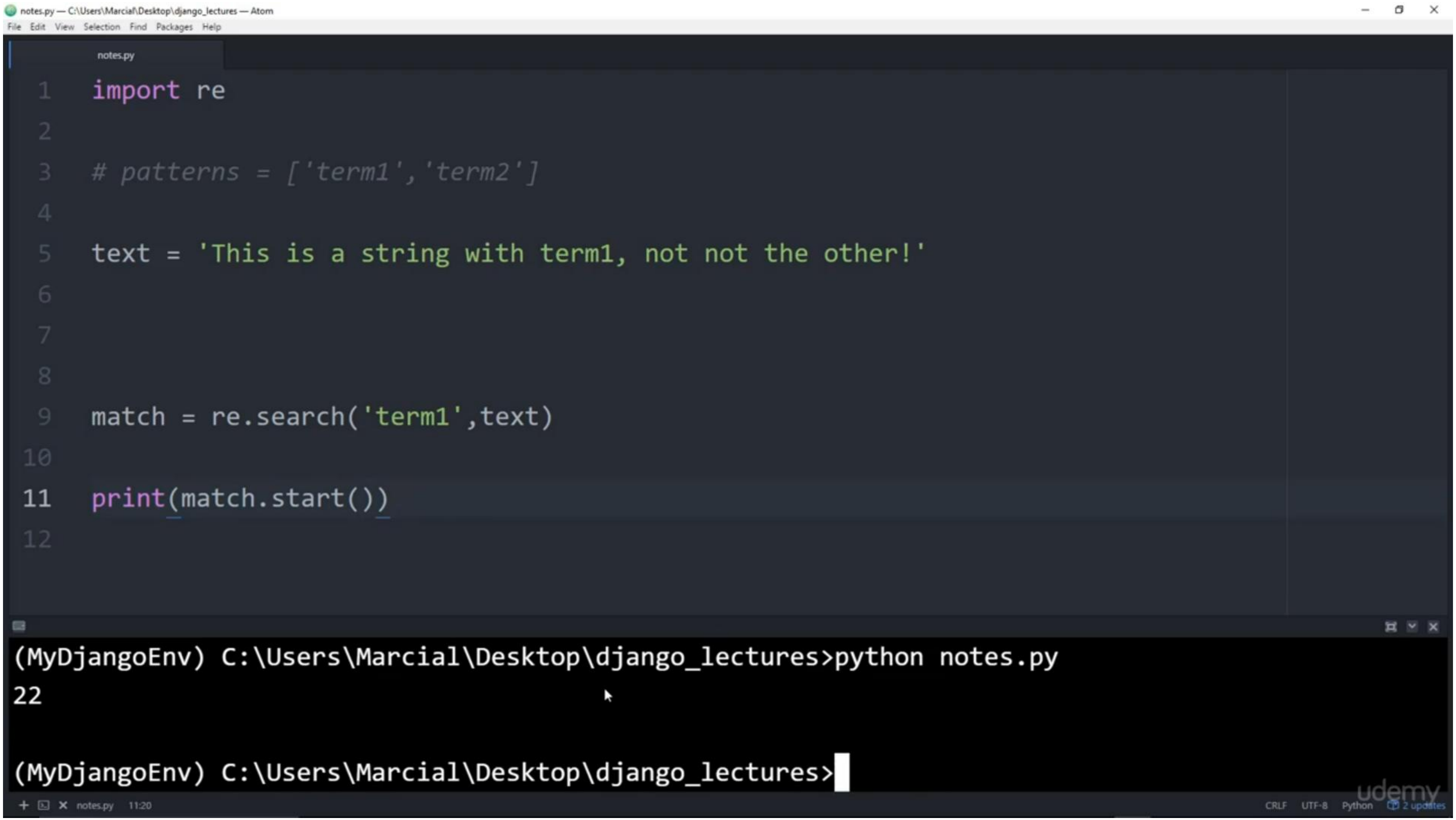


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py

```python
import re

# patterns = ['term1','term2']

text = 'This is a string with term1, not not the other!'



match = re.search('term1',text)

print(type(match))
```

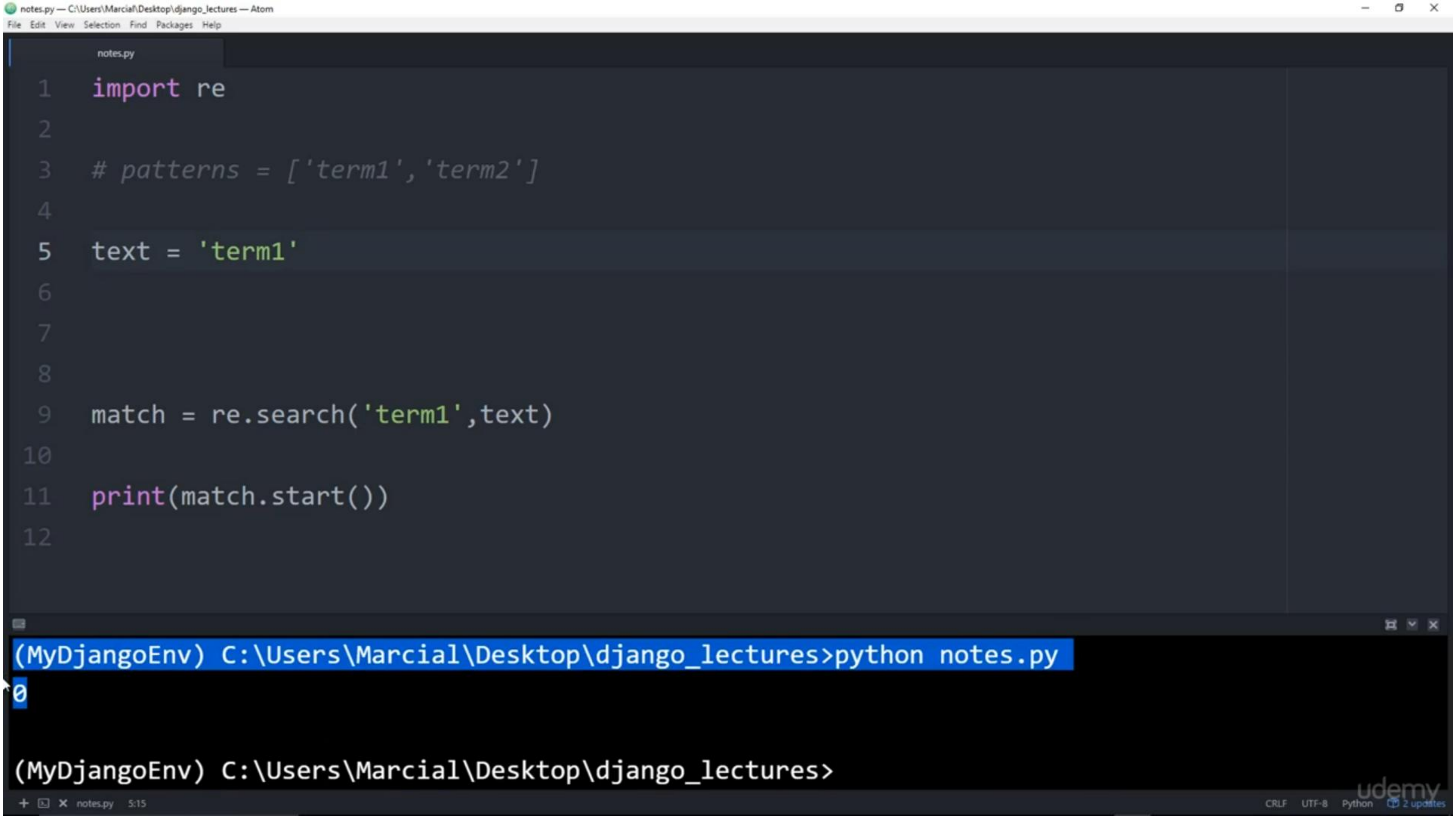
```
NameError: name 'pattern' is not defined

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
<class '_sre.SRE_Match'>

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```

notes.py 3:31
CRLF UTF-8 Python 2 updates
udemy


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 11:20
CRLF UTF-8 Python 2 updates
udemy

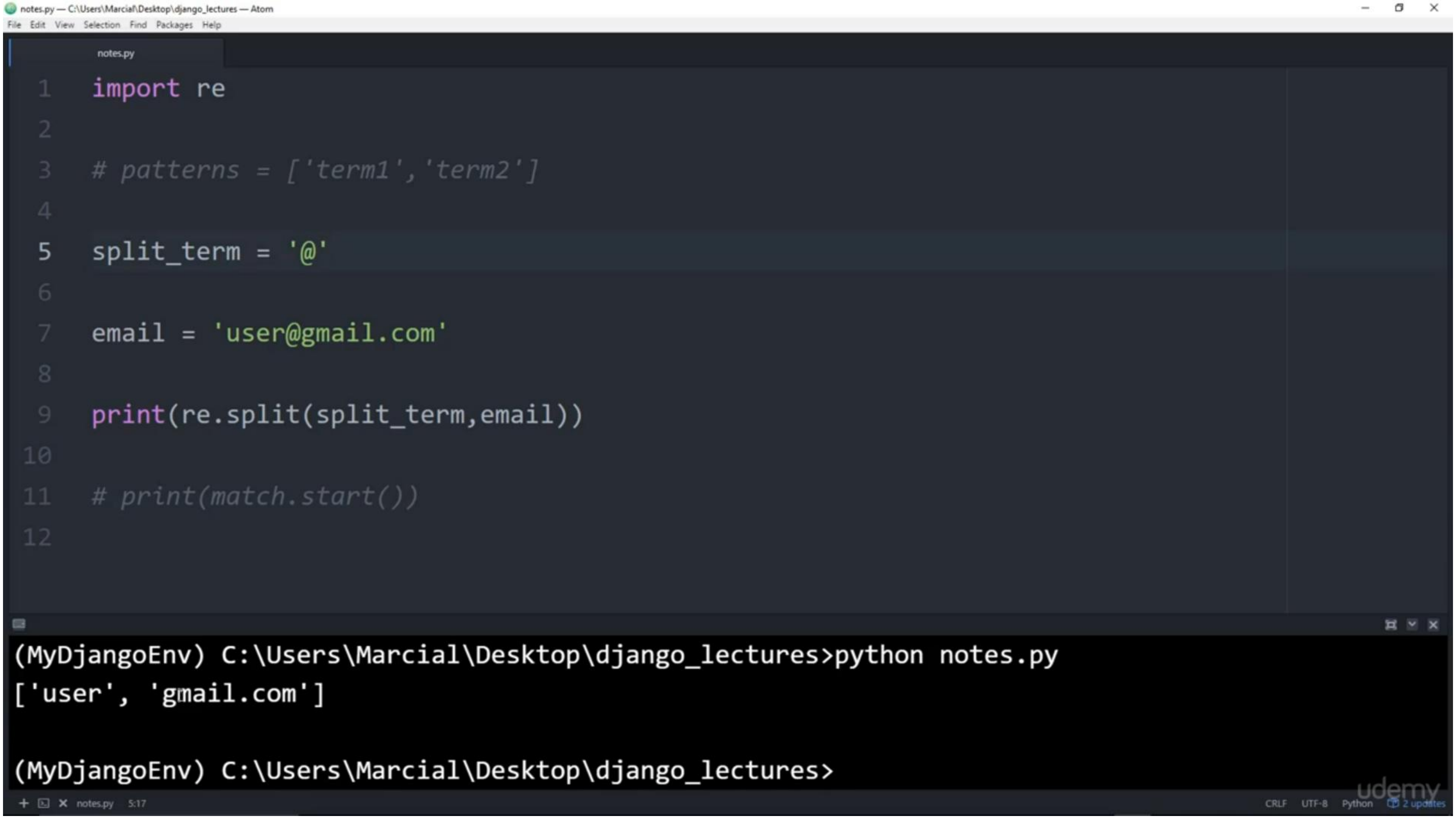
```python
import re

# patterns = ['term1','term2']

text = 'This is a string with term1, not not the other!'



match = re.search('term1',text)

print(match.start())

```

```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
22

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 5:15
CRLF UTF-8 Python 2 updates

```python
import re

# patterns = ['term1','term2']

text = 'term1'



match = re.search('term1',text)

print(match.start())

```

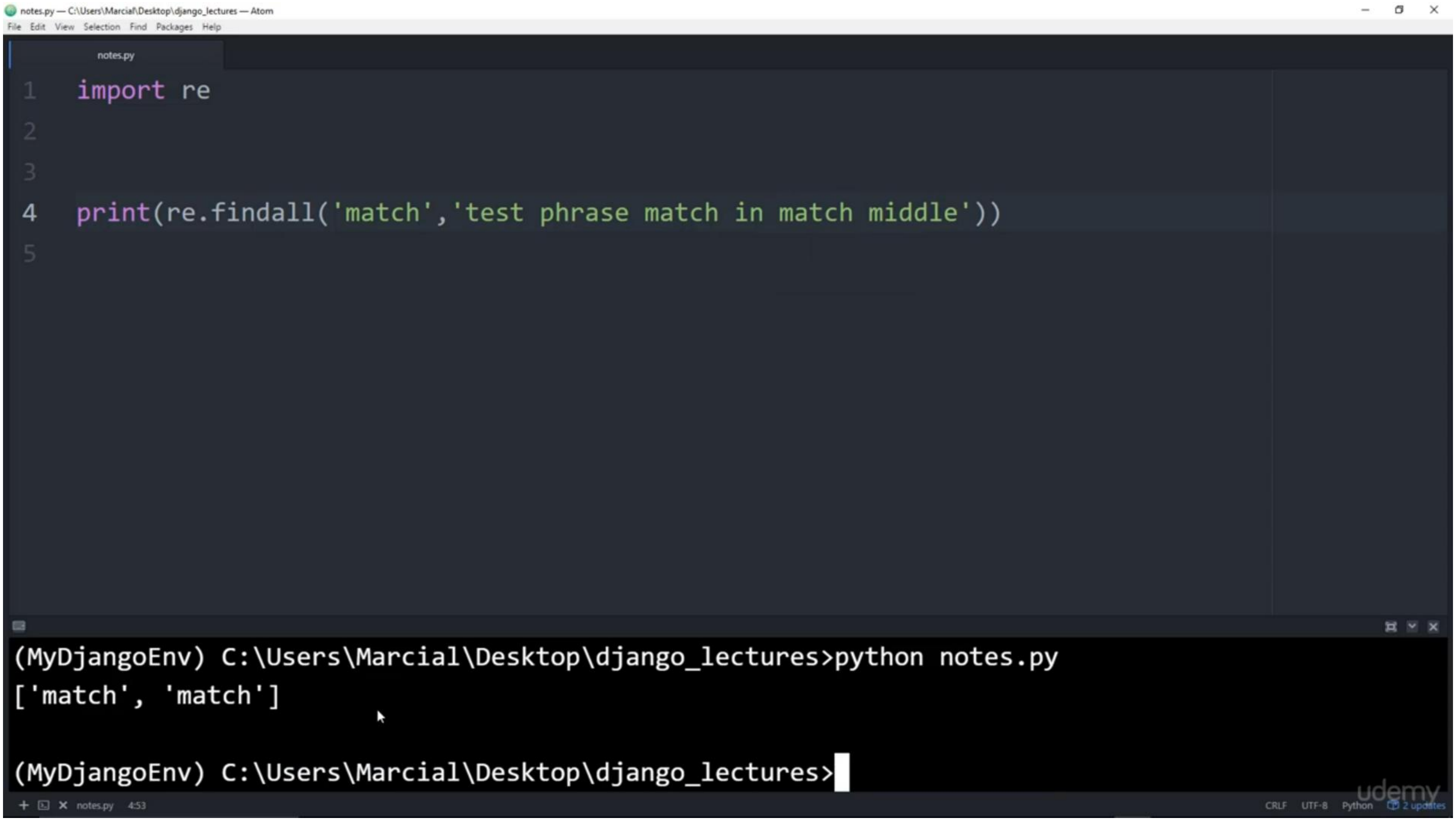
```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
0

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```



notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 5:17
CRLF UTF-8 Python 2 updates
udemy

```python
import re

# patterns = ['term1','term2']

split_term = '@'

email = 'user@gmail.com'

print(re.split(split_term,email))

# print(match.start())
```

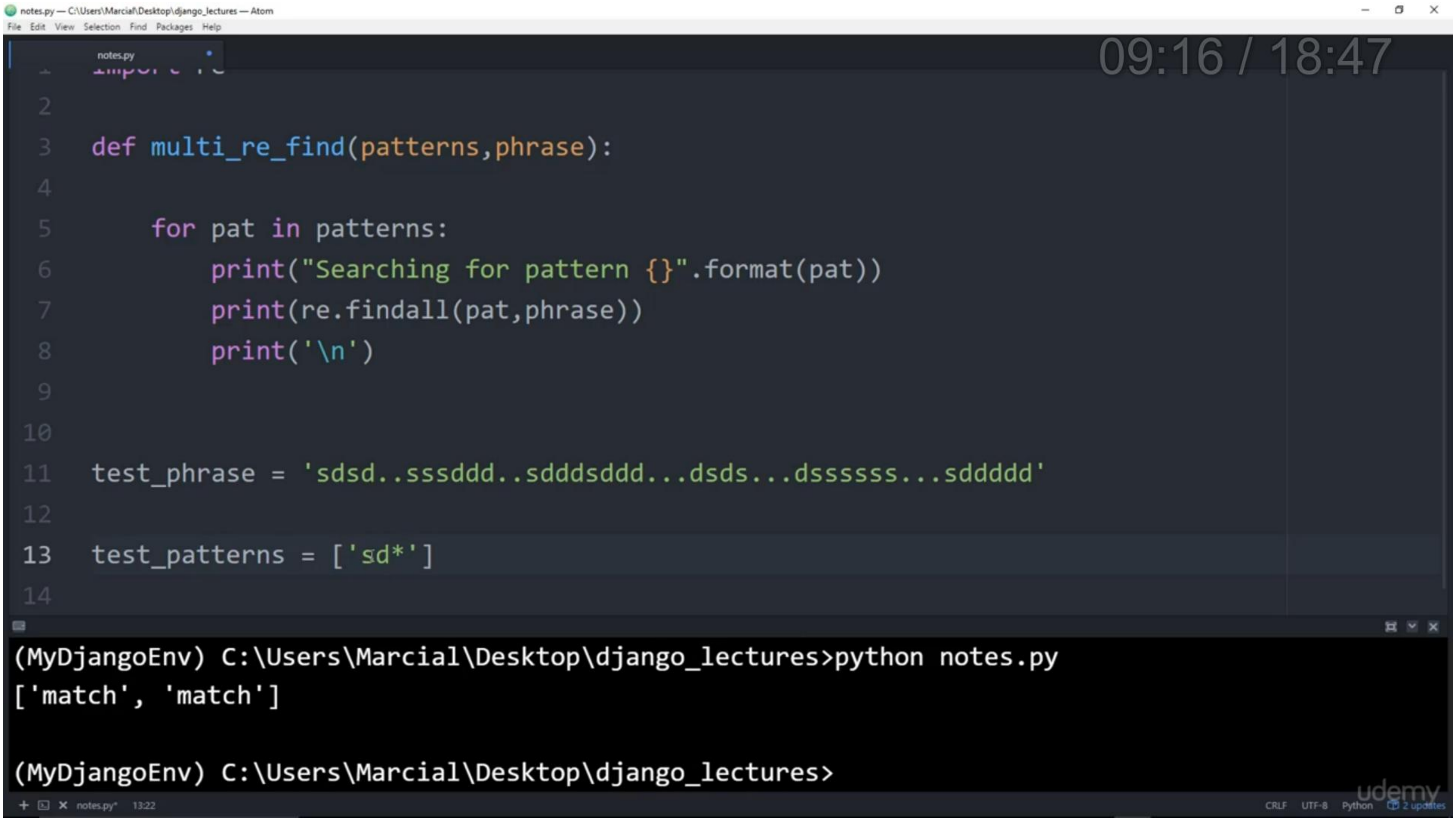
```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
['user', 'gmail.com']

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```



notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 4:53
CRLF UTF-8 Python 2 updates
udemy

```python
import re


print(re.findall('match','test phrase match in match middle'))

```

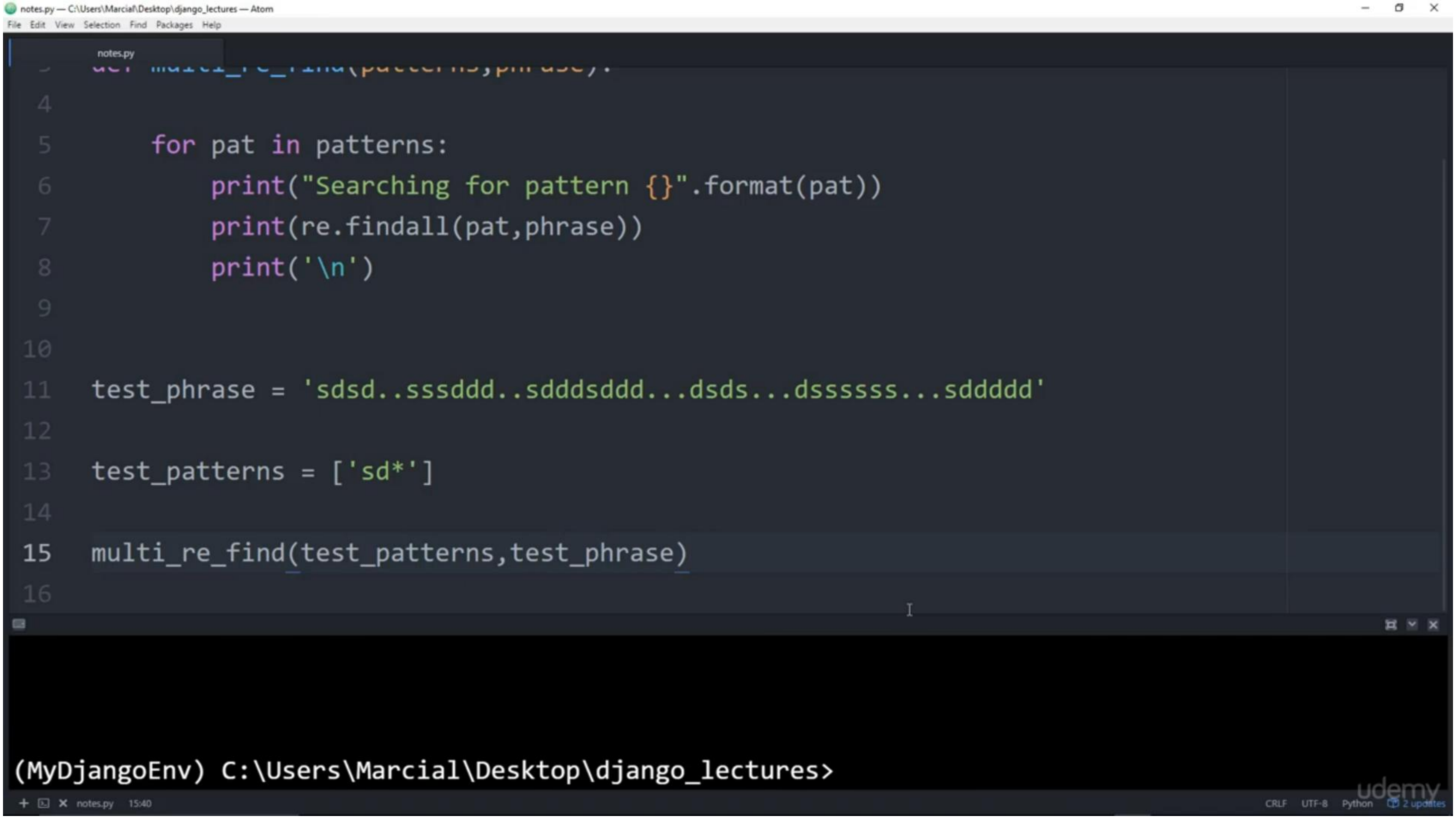
```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
['match', 'match']

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```



notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
09:16 / 18:47
notes.py* 13:22
CRLF UTF-8 Python 2 updates
udemy

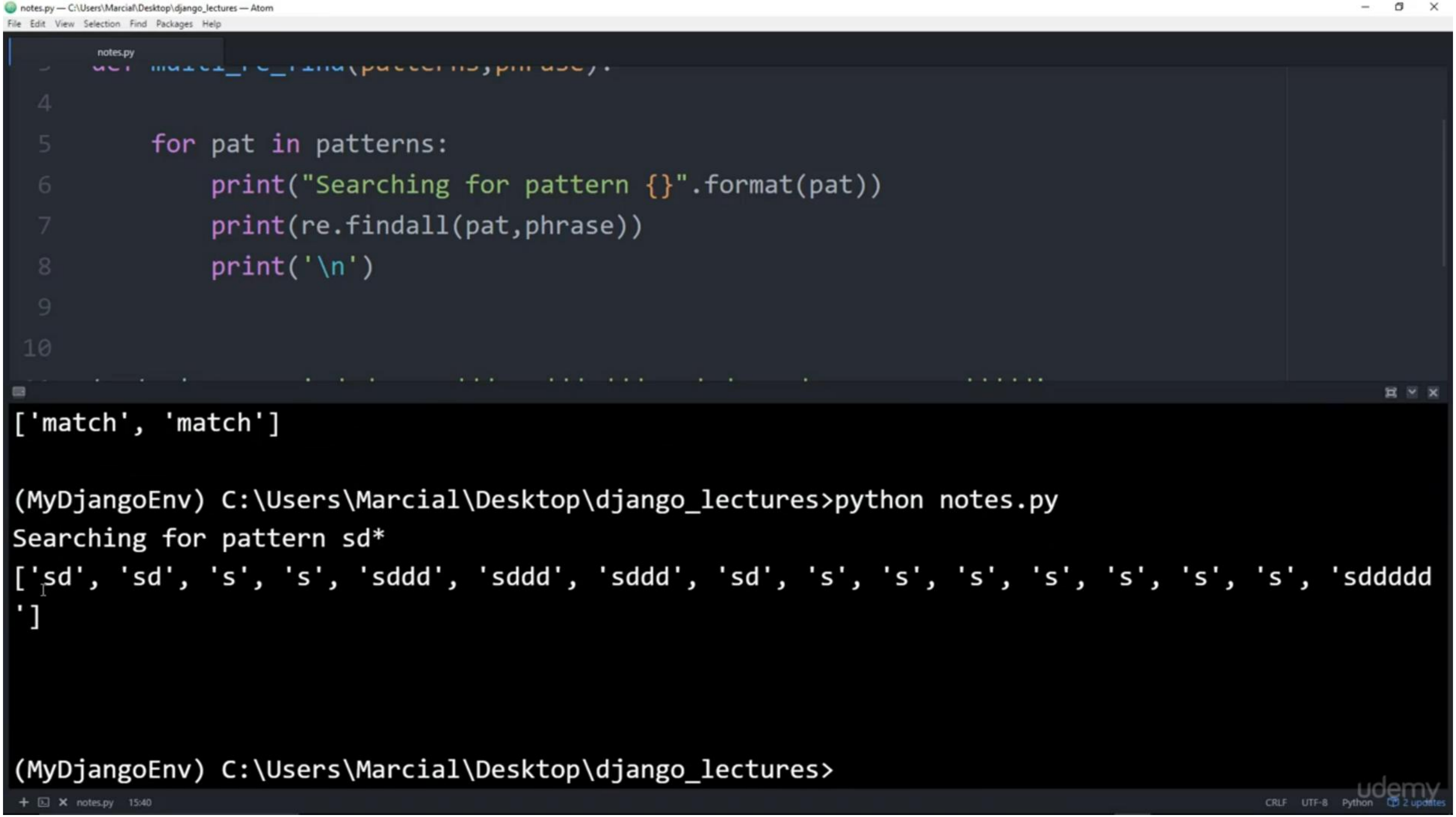
```python
import re

def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dssssss...sddddd'

test_patterns = ['sd*']

```

```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
['match', 'match']

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 15:40
CRLF UTF-8 Python 2 updates

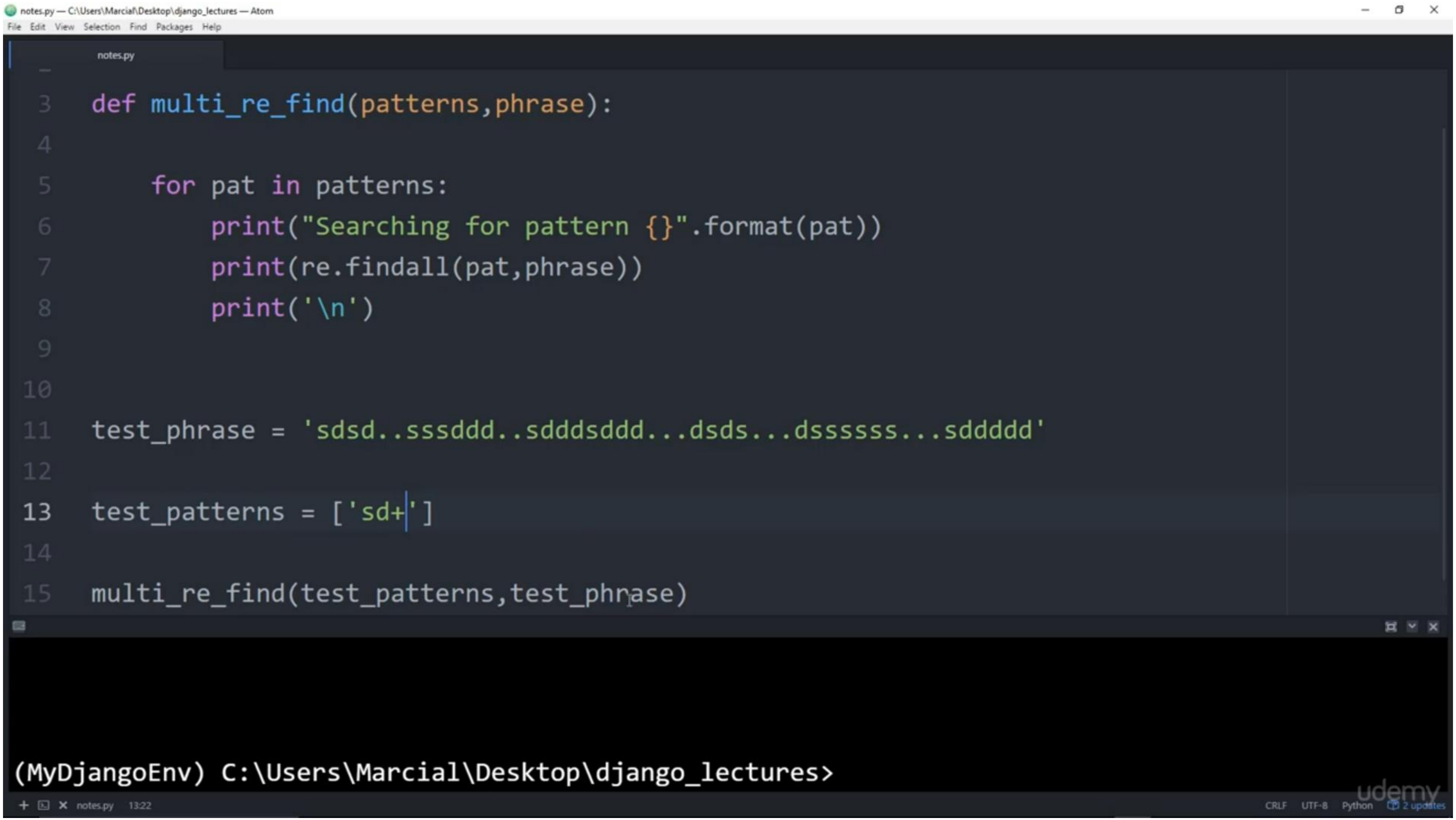
```python
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dssssss...sddddd'

test_patterns = ['sd*']

multi_re_find(test_patterns,test_phrase)

```

```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 15:40
CRLF UTF-8 Python 2 updates
udemy

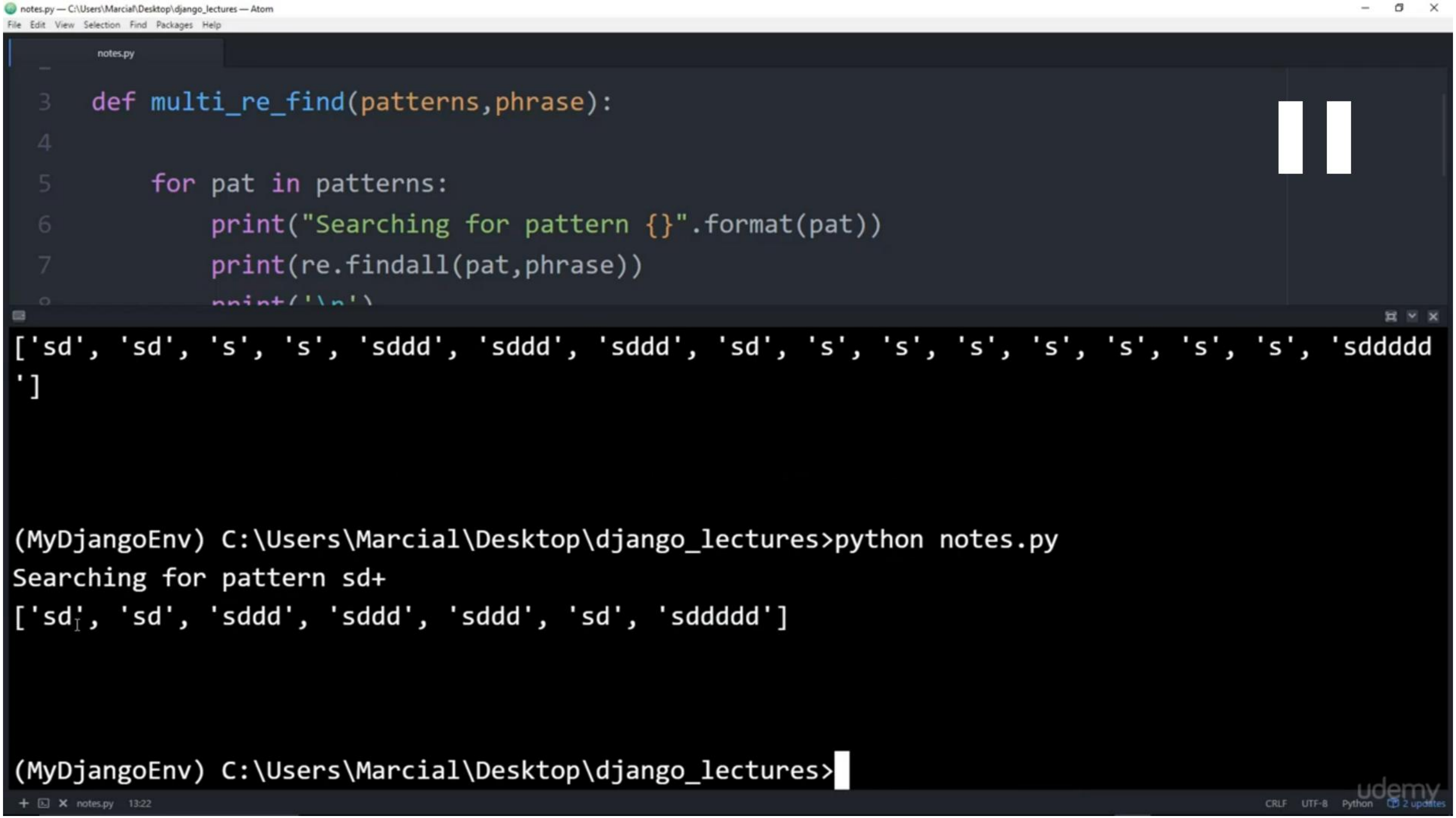
```python
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


```

```
['match', 'match']

(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
Searching for pattern sd*
['sd', 'sd', 's', 's', 'sddd', 'sddd', 'sddd', 'sd', 's', 's', 's', 's', 's', 's', 's', 'sdddd
']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```



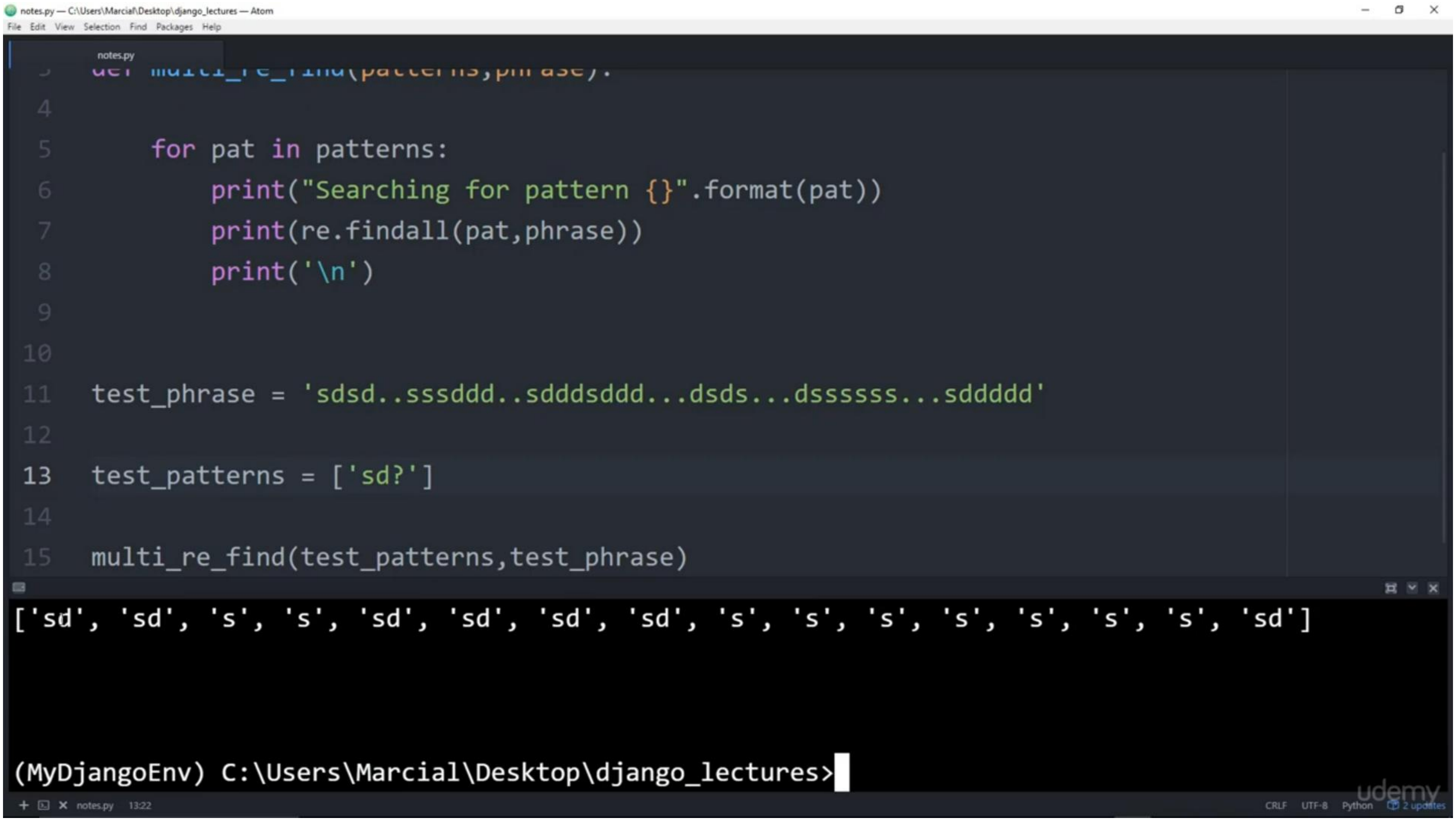
```
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dssssss...sddddd'

test_patterns = ['sd+']

multi_re_find(test_patterns,test_phrase)
```

```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```



```python
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')
```

```
['sd', 'sd', 's', 's', 'sddd', 'sddd', 'sddd', 'sd', 's', 's', 's', 's', 's', 's', 's', 'sddddd
']




(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
Searching for pattern sd+
['sd', 'sd', 'sddd', 'sddd', 'sddd', 'sd', 'sddddd']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```

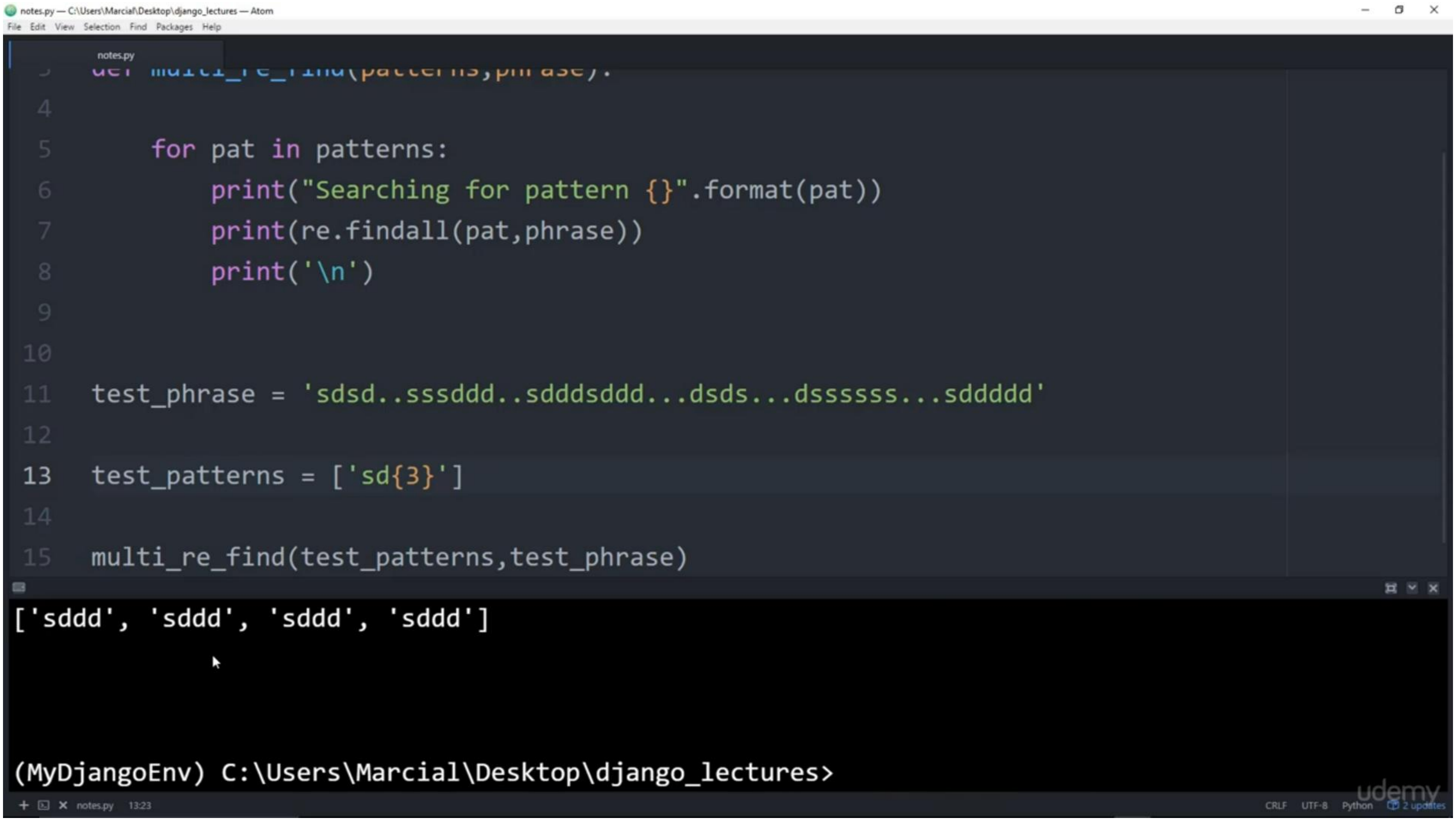


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py

```
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dsssss...sdddddd'

test_patterns = ['sd?']

multi_re_find(test_patterns,test_phrase)
```

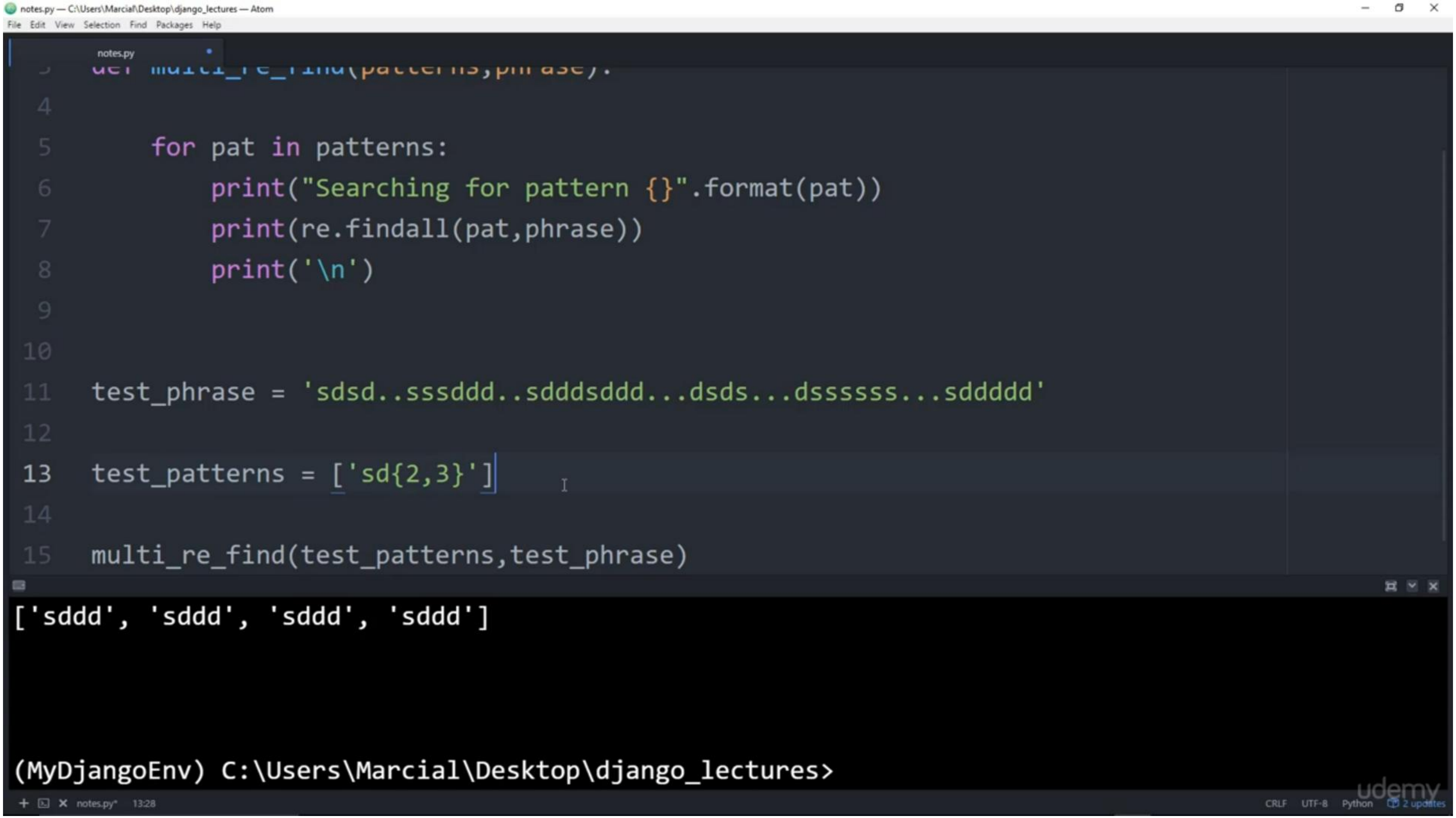
```
['sd', 'sd', 's', 's', 'sd', 'sd', 'sd', 'sd', 's', 's', 's', 's', 's', 's', 's', 'sd']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```

notes.py 13:22
CRLF UTF-8 Python 2 updates
udemy


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:23
CRLF UTF-8 Python 2 updates
udemy

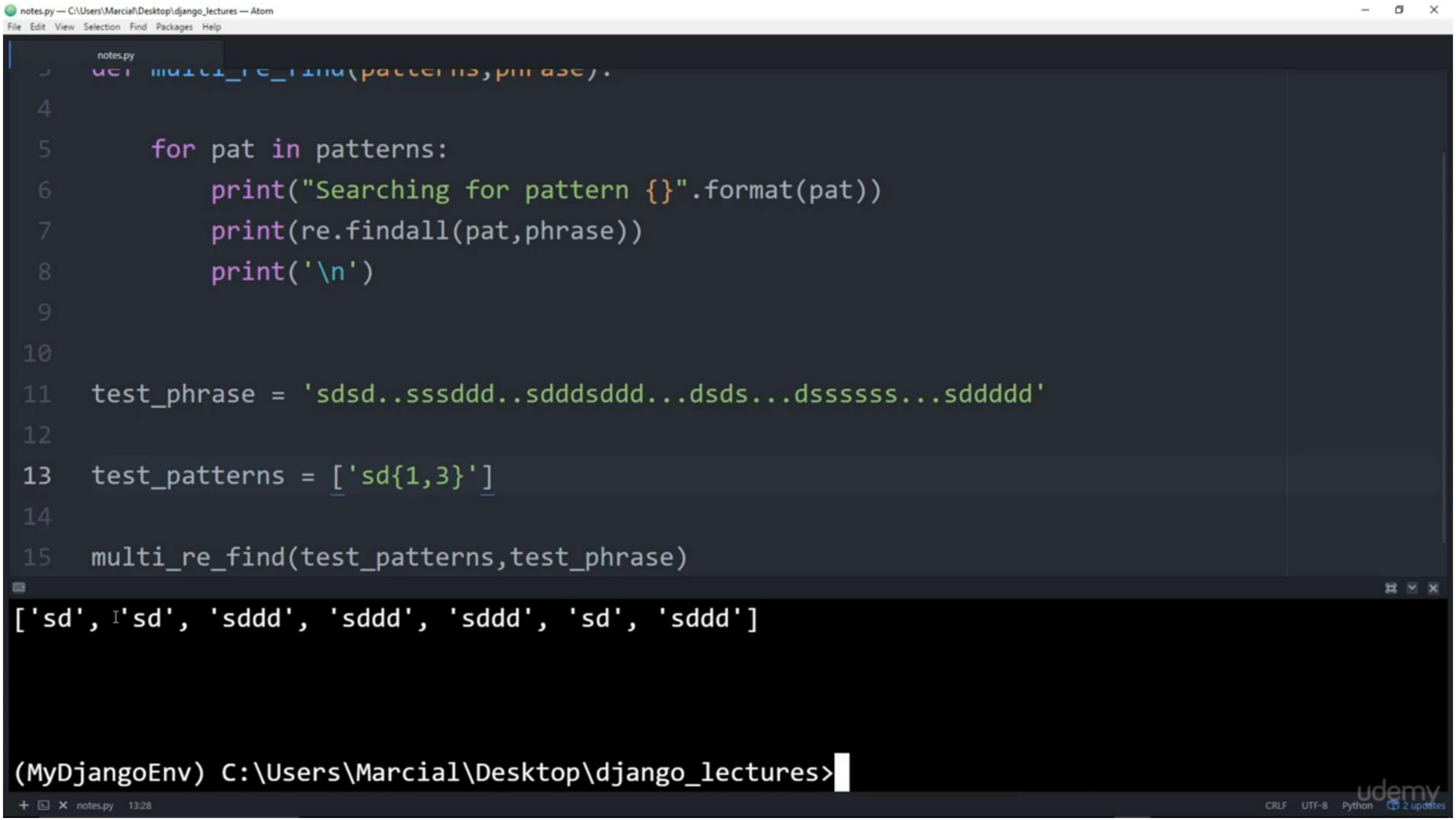
```python
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dsssss...sddddd'

test_patterns = ['sd{3}']

multi_re_find(test_patterns,test_phrase)
```

```
['sddd', 'sddd', 'sddd', 'sddd']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py* 13:28
CRLF UTF-8 Python 2 updates

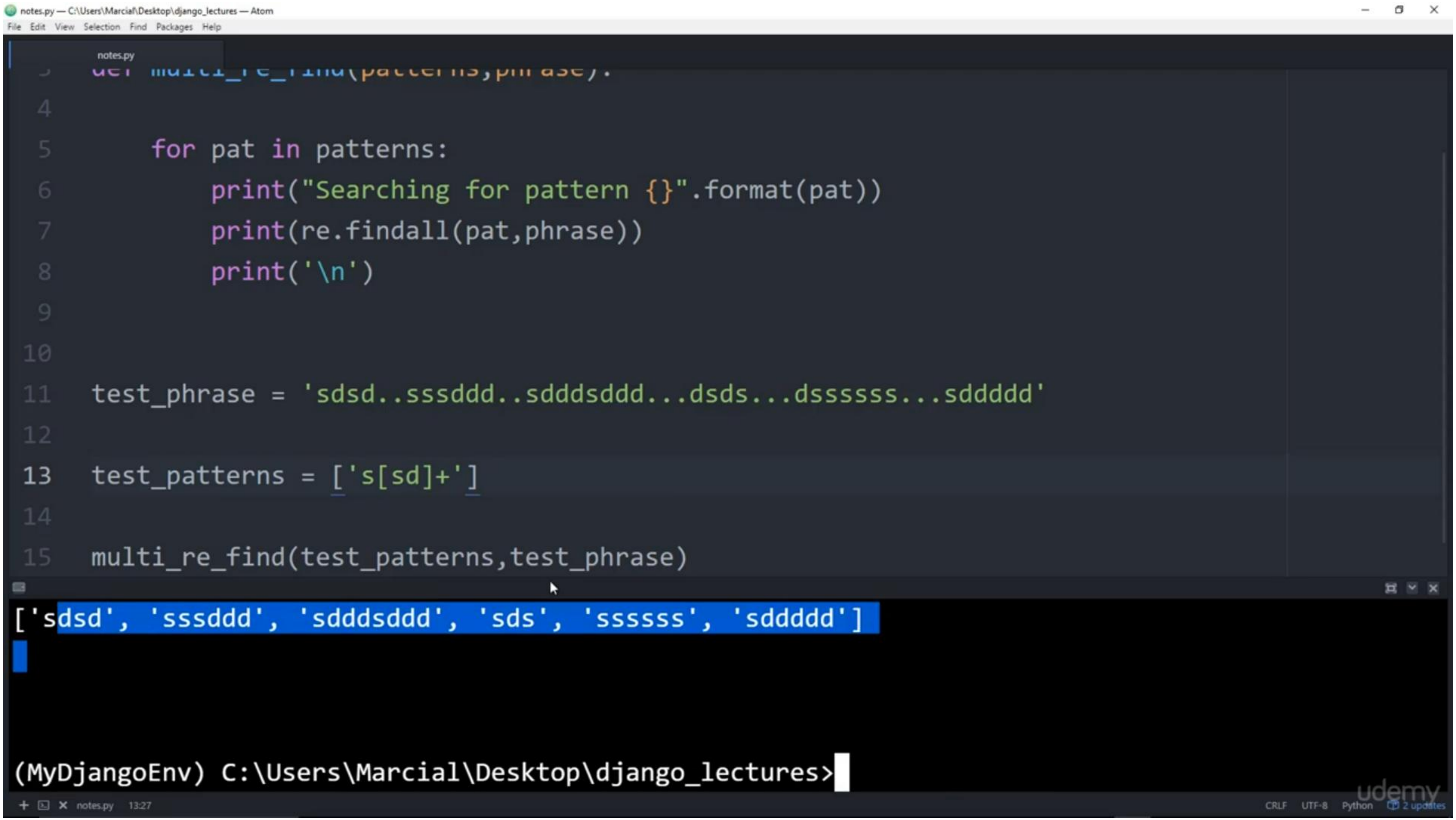
```
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dsssss...sddddd'

test_patterns = ['sd{2,3}']

multi_re_find(test_patterns,test_phrase)
```

```
['sddd', 'sddd', 'sddd', 'sddd']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:28
CRLF UTF-8 Python 2 updates
udemy

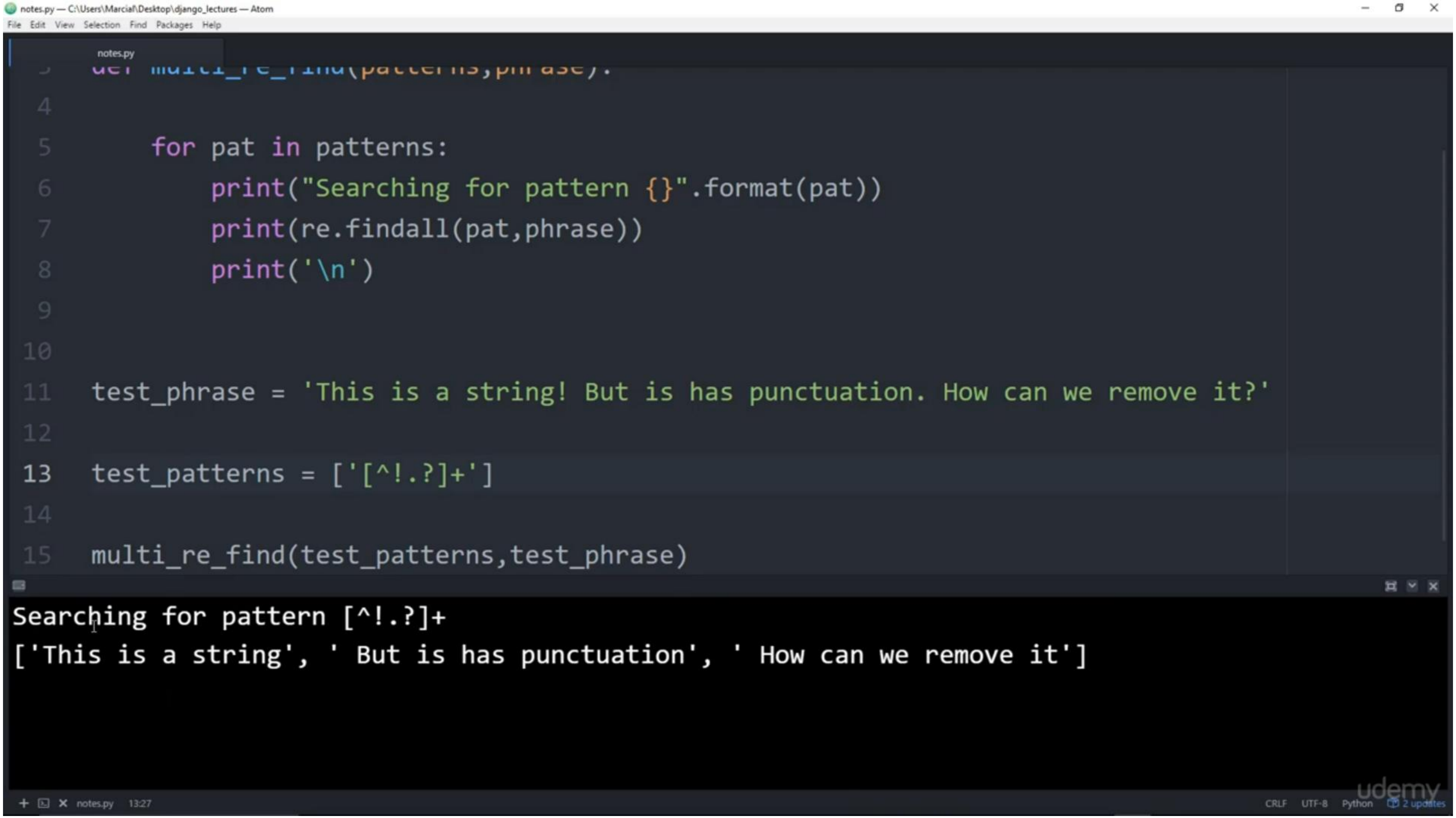
```python
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dssssss...sdddddd'

test_patterns = ['sd{1,3}']

multi_re_find(test_patterns,test_phrase)
```

```
['sd', 'sd', 'sddd', 'sddd', 'sddd', 'sd', 'sddd']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:27
CRLF UTF-8 Python 2 updates
udemy

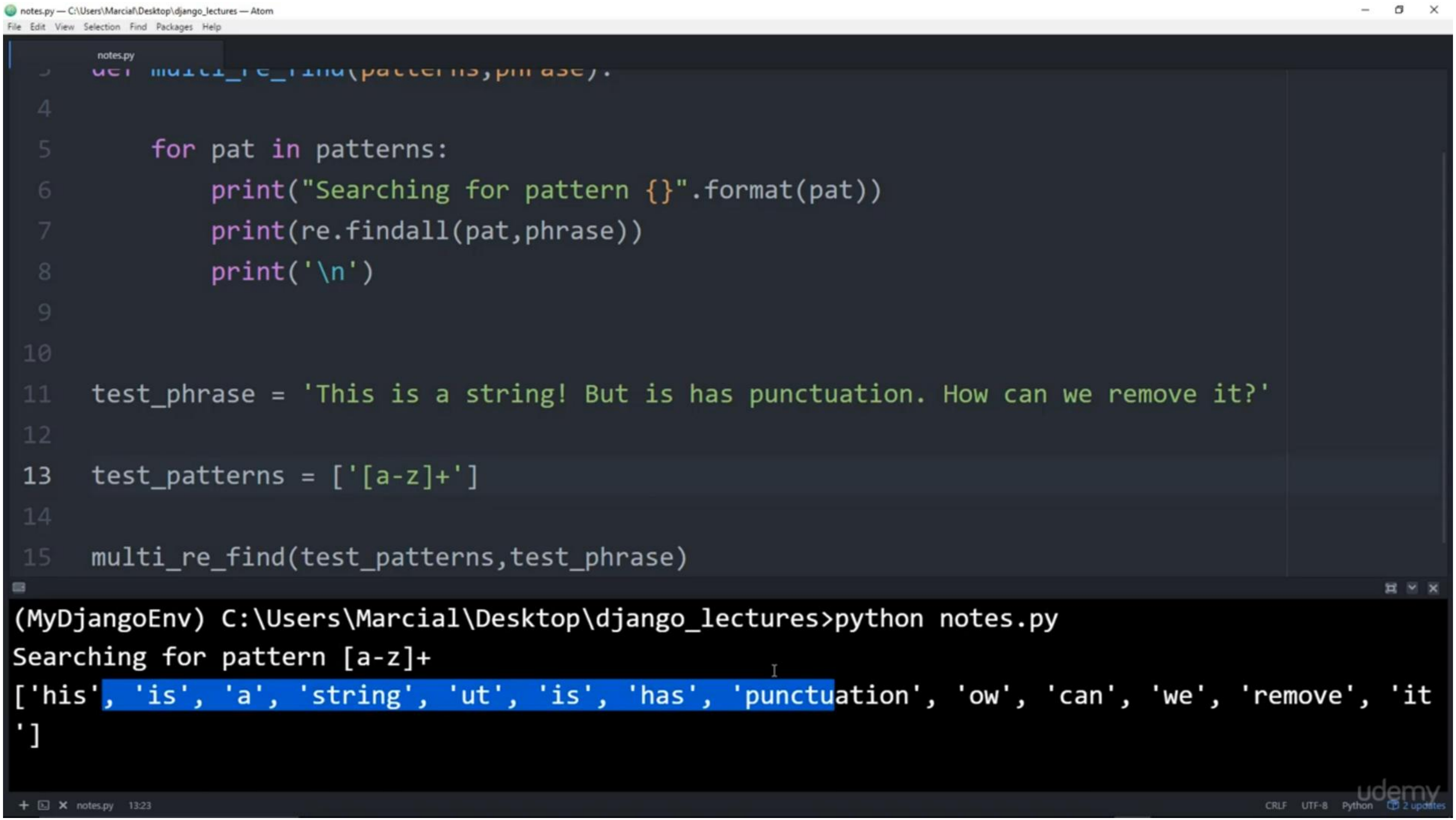
```
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'sdsd..sssddd..sdddsddd...dsds...dssssss...sddddd'

test_patterns = ['s[sd]+']

multi_re_find(test_patterns,test_phrase)
```

```
['sdsd', 'sssddd', 'sdddsddd', 'sds', 'ssssss', 'sddddd']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```



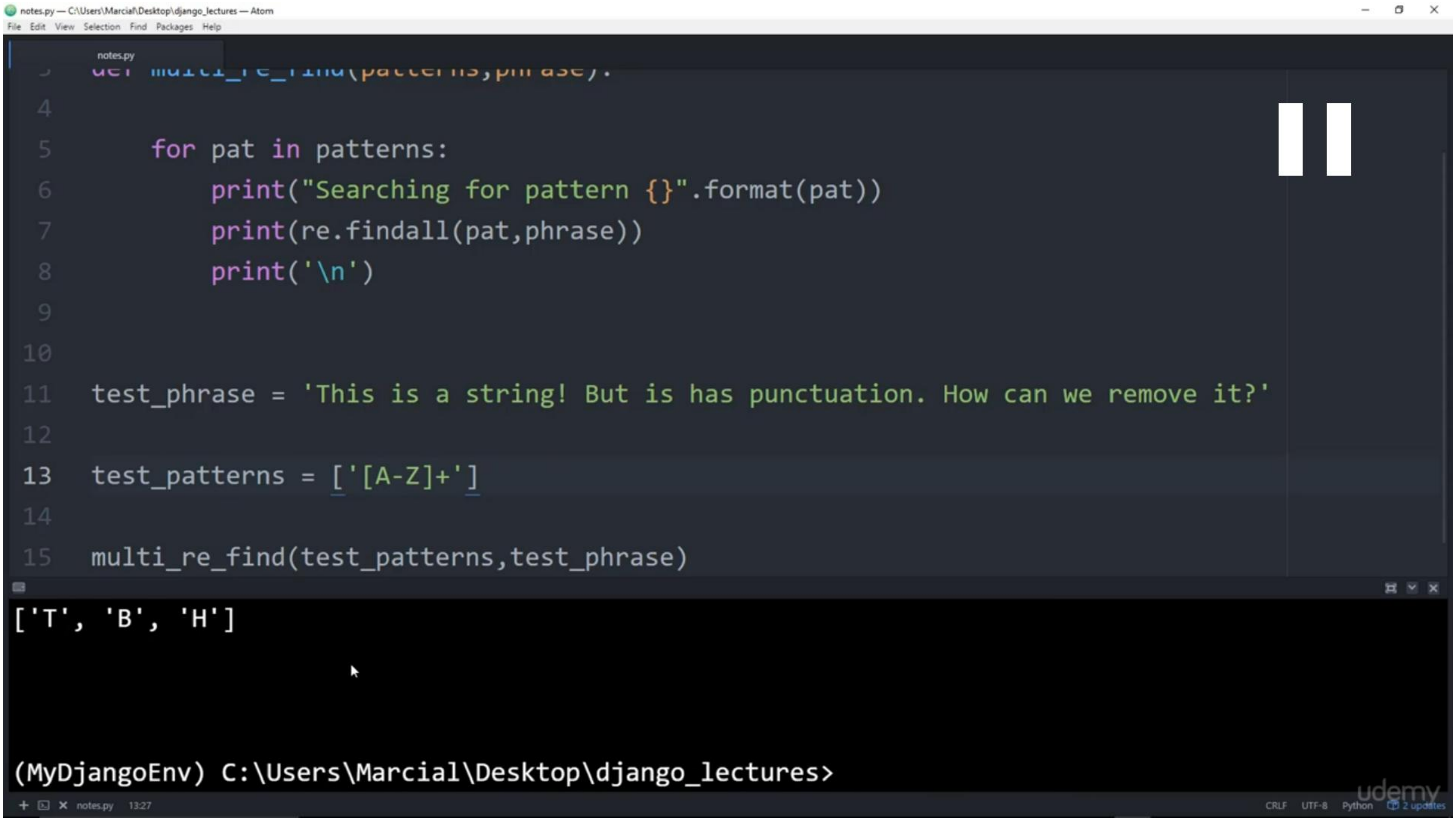
```python
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string! But is has punctuation. How can we remove it?'

test_patterns = ['[^!.?]+']

multi_re_find(test_patterns,test_phrase)
```

```
Searching for pattern [^!.?]+
['This is a string', ' But is has punctuation', ' How can we remove it']
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:23
CRLF UTF-8 Python 2 updates
udemy

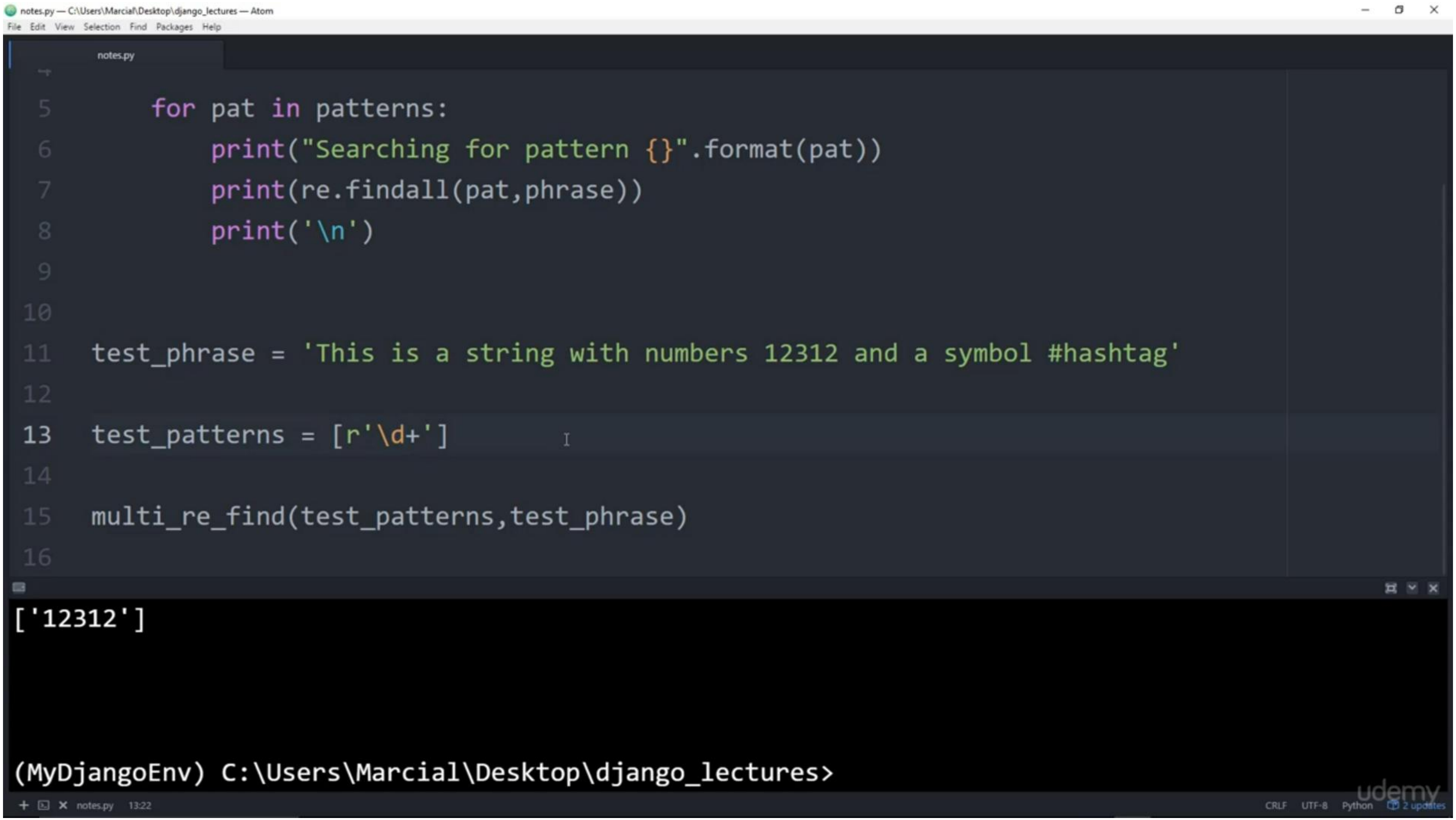
```
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string! But is has punctuation. How can we remove it?'

test_patterns = ['[a-z]+']

multi_re_find(test_patterns,test_phrase)
```

```
(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>python notes.py
Searching for pattern [a-z]+
['his', 'is', 'a', 'string', 'ut', 'is', 'has', 'punctuation', 'ow', 'can', 'we', 'remove', 'it
']
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:27
CRLF UTF-8 Python 2 updates
udemy

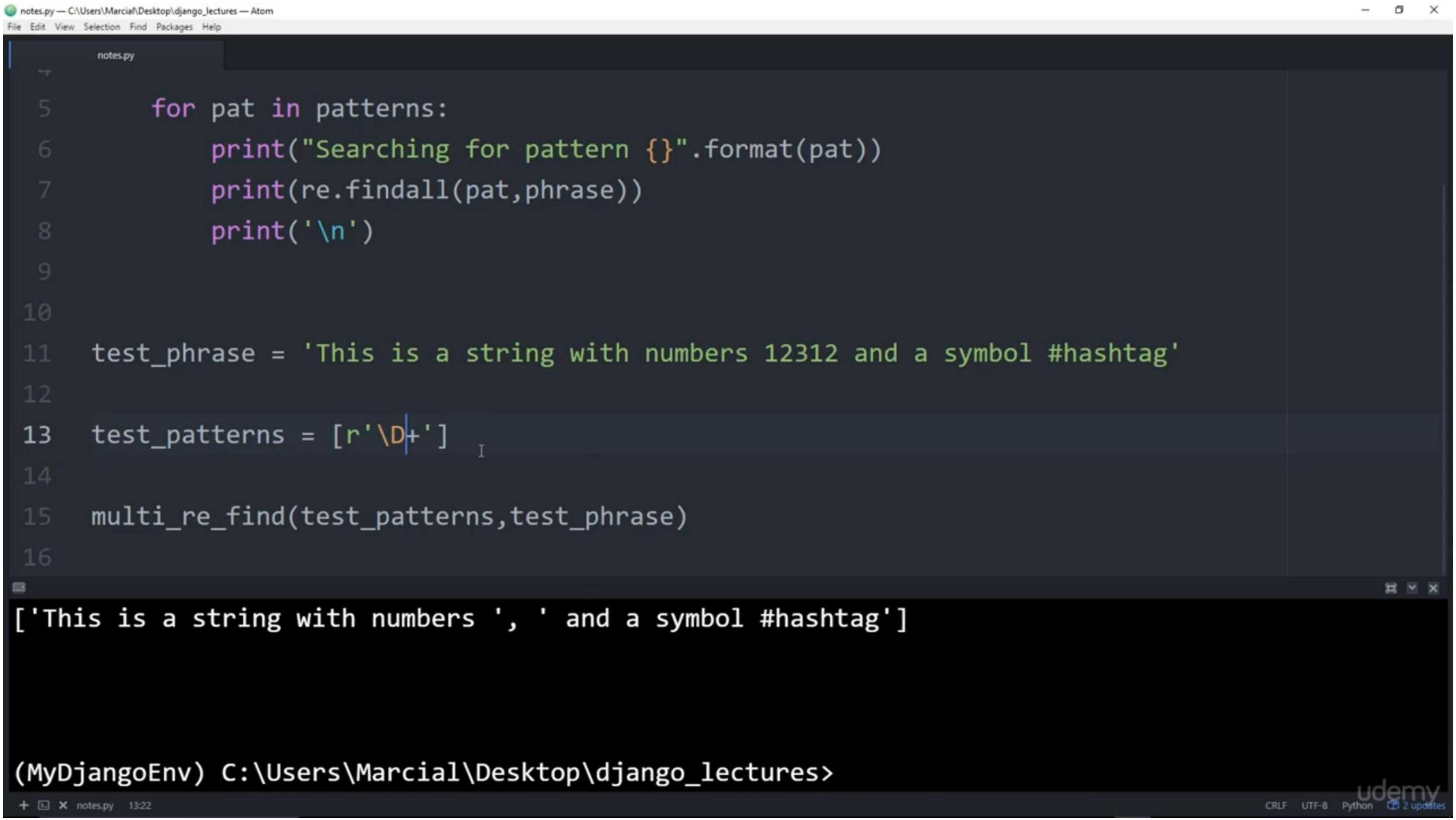
```
def multi_re_find(patterns,phrase):

    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string! But is has punctuation. How can we remove it?'

test_patterns = ['[A-Z]+']

multi_re_find(test_patterns,test_phrase)
```

```
['T', 'B', 'H']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:22
CRLF UTF-8 Python 2 updates
udemy

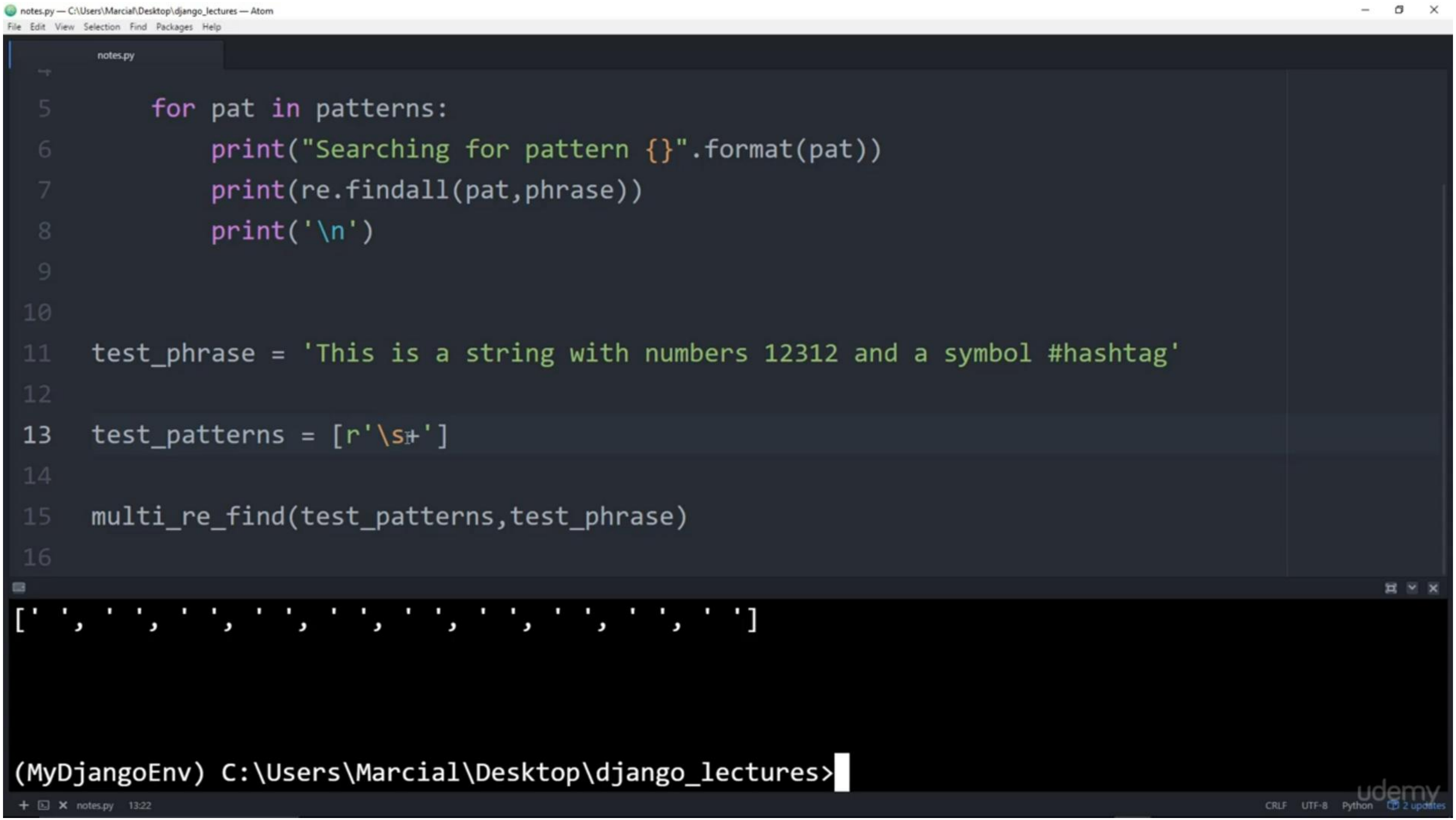
```python
    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string with numbers 12312 and a symbol #hashtag'

test_patterns = [r'\d+']

multi_re_find(test_patterns,test_phrase)

```

```
['12312']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:22
CRLF UTF-8 Python 2 updates
udemy

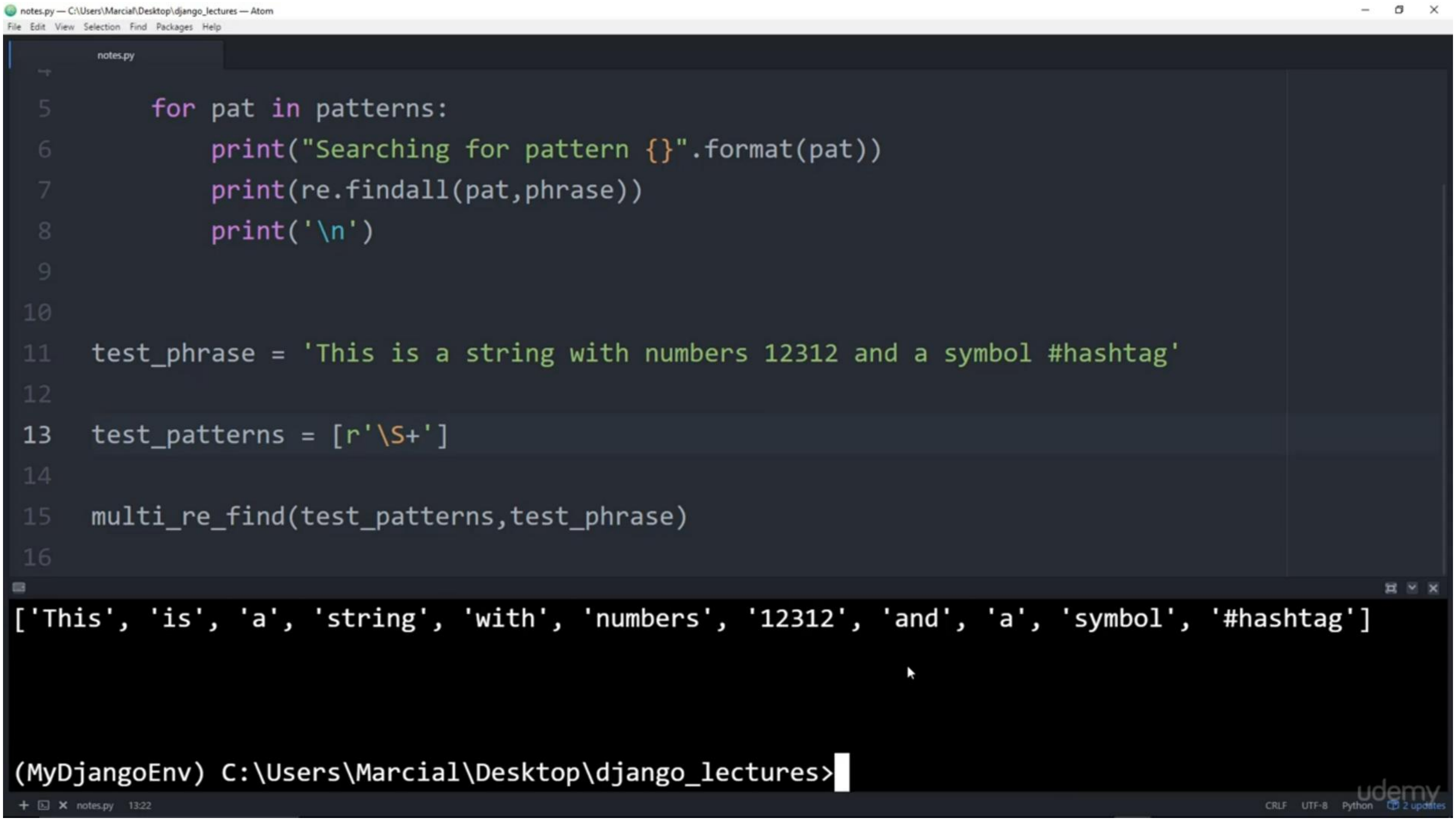
```python
    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string with numbers 12312 and a symbol #hashtag'

test_patterns = [r'\D+']

multi_re_find(test_patterns,test_phrase)

```

```
['This is a string with numbers ', ' and a symbol #hashtag']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:22
CRLF UTF-8 Python 2 updates

```python
    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string with numbers 12312 and a symbol #hashtag'

test_patterns = [r'\s+']

multi_re_find(test_patterns,test_phrase)

```

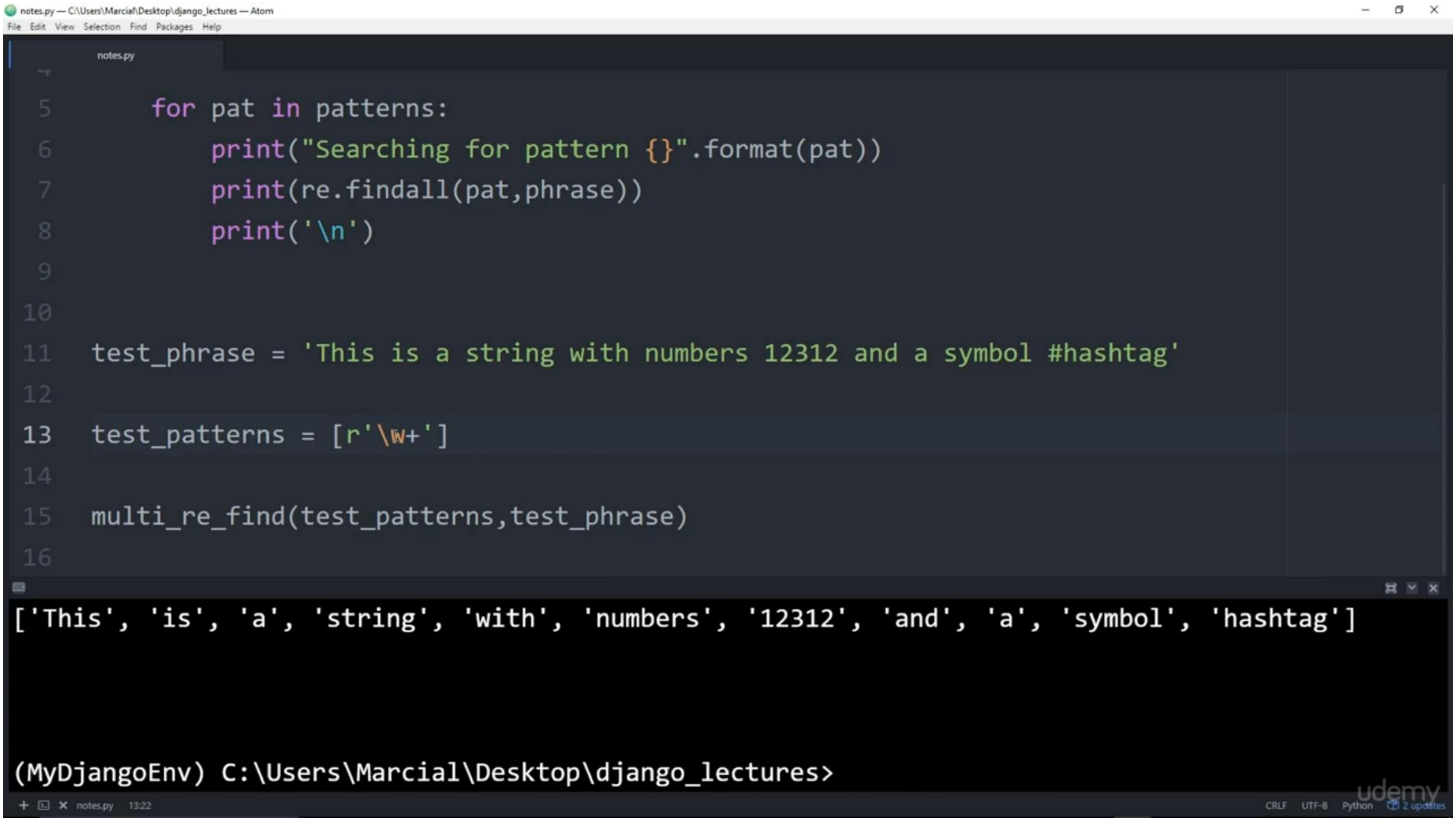
```
[' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```



notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:22
CRLF UTF-8 Python 2 updates
udemy

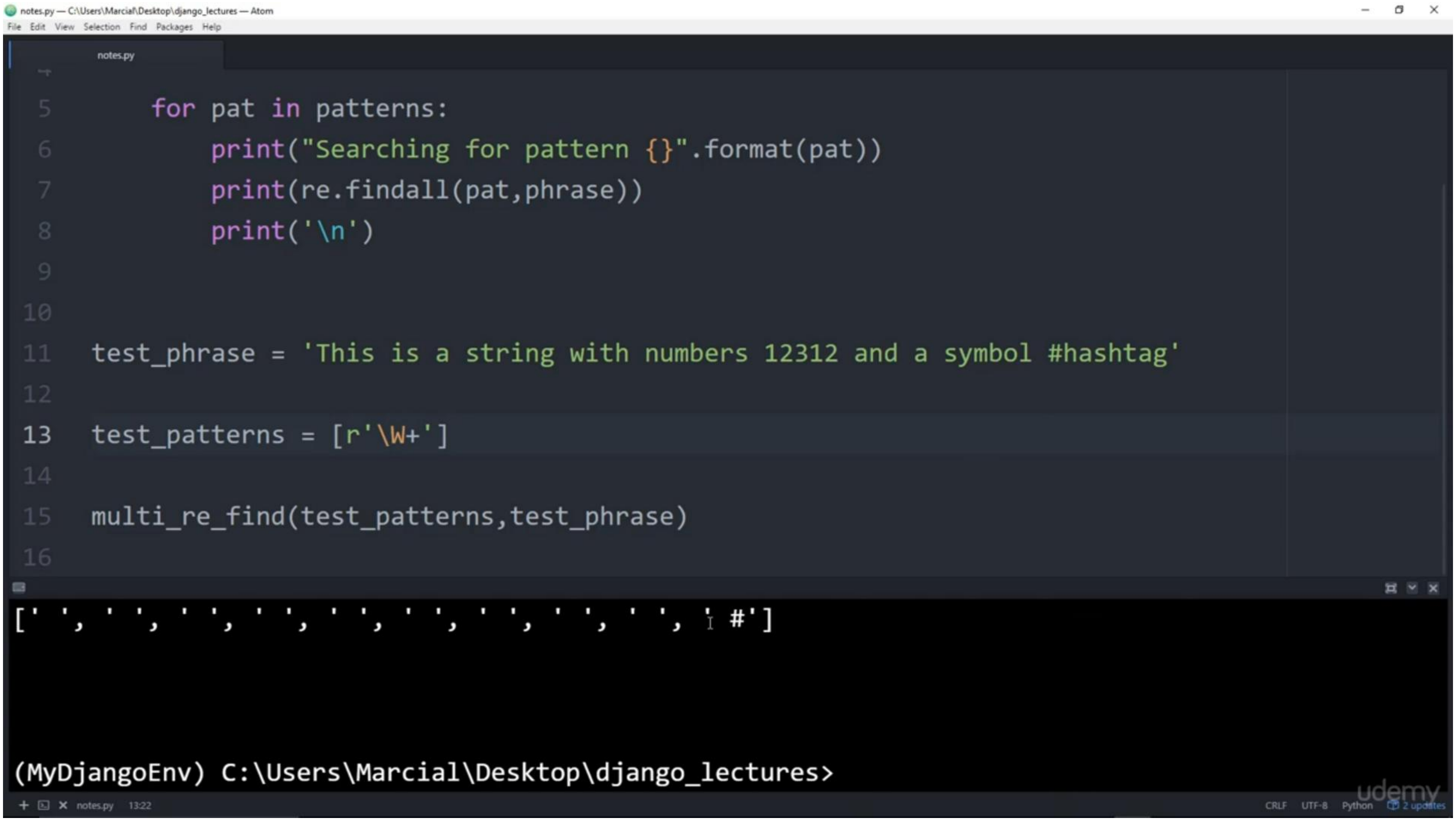
```python
    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string with numbers 12312 and a symbol #hashtag'

test_patterns = [r'\S+']

multi_re_find(test_patterns,test_phrase)

```

```
['This', 'is', 'a', 'string', 'with', 'numbers', '12312', 'and', 'a', 'symbol', '#hashtag']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:22
CRLF UTF-8 Python 2 updates
udemy

```python
    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string with numbers 12312 and a symbol #hashtag'

test_patterns = [r'\w+']

multi_re_find(test_patterns,test_phrase)

```

```
['This', 'is', 'a', 'string', 'with', 'numbers', '12312', 'and', 'a', 'symbol', 'hashtag']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```


notes.py — C:\Users\Marcial\Desktop\django_lectures — Atom
File Edit View Selection Find Packages Help
notes.py
notes.py 13:22
CRLF UTF-8 Python 2 updates
udemy

```python
    for pat in patterns:
        print("Searching for pattern {}".format(pat))
        print(re.findall(pat,phrase))
        print('\n')


test_phrase = 'This is a string with numbers 12312 and a symbol #hashtag'

test_patterns = [r'\W+']

multi_re_find(test_patterns,test_phrase)

```

```
[' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' ', ' #']



(MyDjangoEnv) C:\Users\Marcial\Desktop\django_lectures>
```