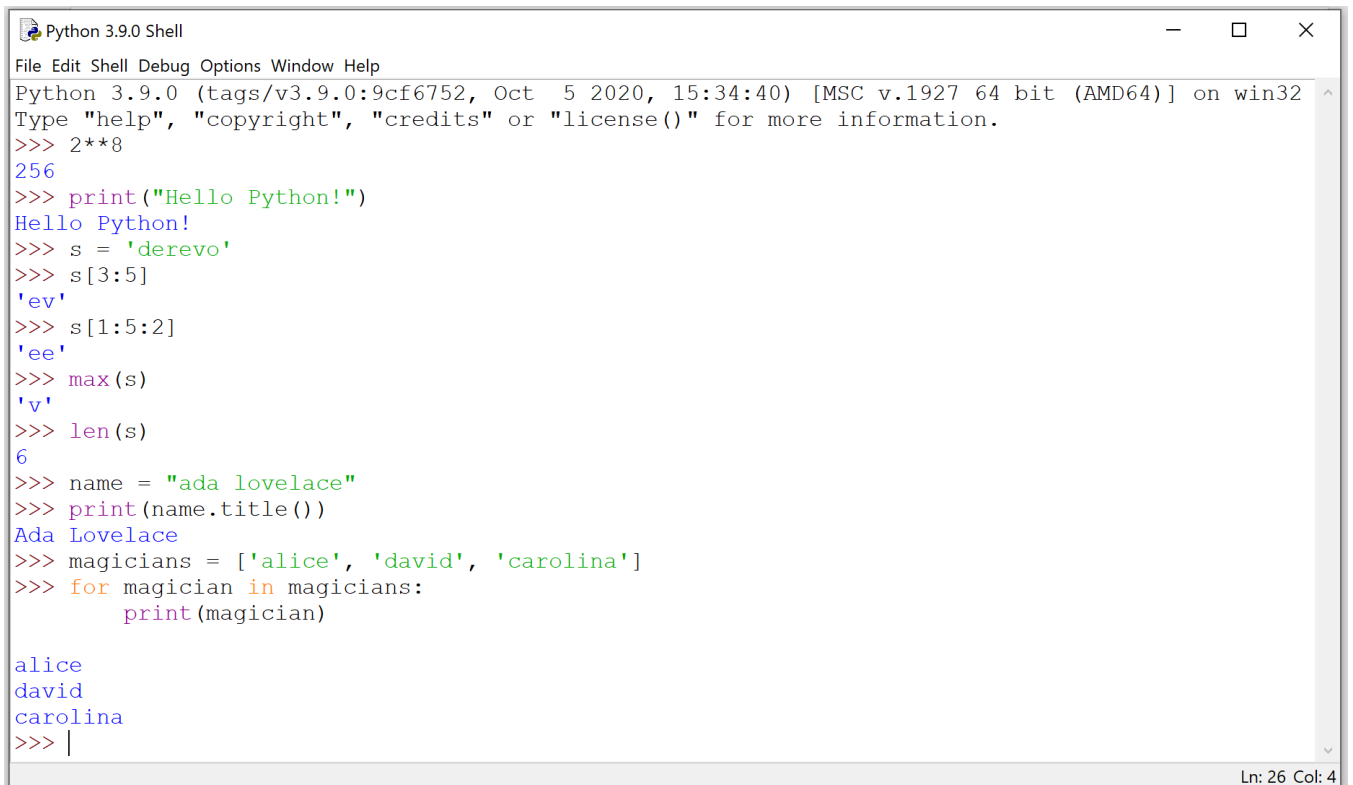


# Python Exercises

0.



```
Python 3.9.0 Shell
File Edit Shell Debug Options Window Help
Python 3.9.0 (tags/v3.9.0:9cf6752, Oct 5 2020, 15:34:40) [MSC v.1927 64 bit (AMD64)] on win32
Type "help", "copyright", "credits" or "license()" for more information.
>>> 2**8
256
>>> print("Hello Python!")
Hello Python!
>>> s = 'derevo'
>>> s[3:5]
'ev'
>>> s[1:5:2]
'ee'
>>> max(s)
'v'
>>> len(s)
6
>>> name = "ada lovelace"
>>> print(name.title())
Ada Lovelace
>>> magicians = ['alice', 'david', 'carolina']
>>> for magician in magicians:
    print(magician)

alice
david
carolina
>>> |
```

Ln: 26 Col: 4

1.

```
name = input('Enter your name: ')
print(f'Hello, {name}!')
```

2.

```
import random

def guessing_game():
    answer = random.randint(0, 100)
    while True:
        user_guess = int(input('What is your guess? '))
        if user_guess == answer:
            print(f'Right! The answer is {user_guess}')
            break
        if user_guess < answer:
            print(f'Your guess of {user_guess} is too low!')
        else:
            print(f'Your guess of {user_guess} is too high!')

guessing_game()
```

3. Write a function that takes a list and returns a new list that contains all the elements of the first list minus duplicates.

## Beginner Python exercises

<https://www.practicepython.org/>

```
# this one uses a for loop
def dedupe_v1(x):
    y = []
    for i in x:
        if i not in y:
            y.append(i)
    return y
```

```
#this one uses sets
def dedupe_v2(x):
    return list(set(x))
```

```
a = [1,2,3,4,3,2,1]
print (a)
print (dedupe_v1(a))
print (dedupe_v2(a))
```

4. Python Tutorial <https://www.w3schools.com/python/>

5. Python Exercises, Practice Questions and Solutions  
<https://www.geeksforgeeks.org/python-exercises-practice-questions-and-solutions/>