

python modules exercise

5/5

April 29, 2024

```
[ ]: import math
number = 16
sqrt_number = math.sqrt(number)
sqrt_number
```

[]: 4.0

```
[ ]: import random
random_num = random.randint(1,10)
print(random_num)
```

7

```
[ ]: import datetime

Today_date_time = datetime.datetime.now()

formatted_date_time = Today_date_time.strftime("%Y-%m-%d %H:%M:%S")

print("Formatted date and time today:", formatted_date_time)
```

Formatted date and time today: 2024-04-29 17:27:32

```
[ ]: import re

text = 'i sent an email to violaakullu@gmail.com and vivvee345@gmail.com_
↳instructing them to forward the content to jumashafara@gmail.com'

pattern = r'\b[A-Za-z0-9._%+-]+@[A-Za-z0-9.-]+\.[A-Z|a-z]{2,}\b'

email_addresses = re.findall(pattern, text)

print(email_addresses)
```

['violaakullu@gmail.com', 'vivvee345@gmail.com', 'jumashafara@gmail.com']

```
[ ]: import json
json_data = '{"name": "John", "age": 30, "city": "New York"}'
```

```
python_dict = json.loads(json_data)

print(python_dict)
```

```
{'name': 'John', 'ag': 30, 'city': 'New York'}
```

```
[ ]:
```