module

May 6, 2024

```python
# Qn.1 (C)
# Qn.2 (A)
# Qn.3 (B)
# Qn.4 (C)
# Qn.5 (D)
# Qn.6 (A)
# Qn.7 (None) re module
# Qn.8 (B)
```

```python
# Qn.1
import math
number = 16
number_sqrt = math.sqrt(number)
print(number_sqrt)
```

```
4.0
```

```python
# Qn.2
import random
random_integer = random.randint(1,10)
print(random_integer)
```

```
7
```

```python
# Qn.3
import datetime
current_date_time = datetime.datetime.now()
print(current_date_time)
```

```
2024-05-05 19:45:29.343361
```

```python
# Qn.4
import json
data = '{"name":"John","age":30,"city":"New York"}'
data_dictionary = json.loads(data)
print("Name:",data_dictionary["name"])
print("Age:", data_dictionary["age"])
print("City:", data_dictionary["city"])
```

```
Name: John
Age: 30
City: New York
```

[ ]:
```python
# Qn.5
import re
text = "This code quiz tests your ability to import modules correctly and use
  them to perform various tasks such as mathematical calculations, working
  with dates and times, handling JSON data, and using regular expressions."
pattern = r"[a-zA-Z0-9_.+-]+@[a-zA-Z0-9-]+\.[a-zA-Z0-9-.]+"
email_addresses = re.findall(pattern,text)
print(email_addresses)
```

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