

Data storage solutions, and ApacheSpark

6/7 points (85%)

Quiz, 7 questions

✓ Congratulations! You passed![Next Item](#)1 / 1
points

1.

```
1 rdd = sc.parallelize(range(100))  
2 rdd2 = range(100)
```

Please consider the following code.

Where is data in "**rdd**" stored physically?

On the local Driver machine



In main-memory of ApacheSpark worker nodes

Correct

Correct

1 / 1
points

2.

```
1 rdd = sc.parallelize(range(100))  
2 rdd2 = range(100)
```

Please consider the following code.

Where is data in "**rdd2**" stored physically?

On the local Driver machine

Correct

Correct



In main-memory of ApacheSpark worker nodes

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Quiz, 7 questions

1 / 1
points

3.

What is the parallel version of the following code?

```
1 len(range(999999999))
```

`sc.parallelize(range(999999999)).count()`**Correct**

Correct

`parallelize(range(999999999)).count()``len(sc.parallelize(range(999999999)))``size(sc.parallelize(range(999999999)))``count(sc.parallelize(range(999999999)))`1 / 1
points

4.

Which storage solutions support seamless modification of schemas? (Select all that apply)



ObjectStorage

Correct

Correct



NoSQL

Correct

Correct



SQL/Relational Databases

Un-selected is correct

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Quiz, 7 questions 5.

Which storage solutions support dynamic scaling on storage? (Select all that apply)

☐

ObjectStorage

**Correct**

Correct

☐

NoSQL

**Correct**

Correct

☐

SQL/Relational Databases

**Un-selected is correct**1 / 1
points

6.

Which storage solutions support normalization and integrity checks on data out of the box? (Select all that apply)

☐

ObjectStorage

**Un-selected is correct**☐

NoSQL

**Un-selected is correct**☐

SQL/Relational Databases

**Correct**

Correct

0 / 1



points

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Quiz, 7 questions

Consider a simple application where a **single** fridge has to be monitored to check whether the temperature has risen above a certain threshold to guarantee that the stored groceries haven't been spoiled for that reason. We only need to keep track of **one month** worth of data and can discard older data. We have to sample **every second** and each messages has **100 byte** of size. What monthly charge for the cheapest option for using dashDB?

You can download the calculator here:

[Open/LibreOffice](#)

[Excel](#)

Please use a decimal point instead of a comma

0.04

Incorrect Response

Incorrect, please revisit video "Storing IoT Data - considerations when working with big data". Please also have a look at the formulas in the spreadsheet to learn how things are calculated. Please ask in the forum if you still can't pass.

