

GRADE 61.90%

Apache Spark and parallel data processing LATEST SUBMISSION GRADE 61.9% 0 / 1 point Please consider the following code. Where is the execution of API calls on "rdd" taking place? On the ApacheSpark worker nodes On the local Driver machine Incorrect Incorrect. Please revisit Video "Parallel data processing strategies of ApacheSpark" 1 rdd = sc.parallelize(range(100))
2 rdd2 = range(100)
3 Please consider the following code. Where is data in " $\mathbf{rdd2}$ " stored physically? In main-memory of ApacheSpark worker nodes On the local Driver machine Incorrect. Please revisit Video "Parallel data processing strategies of ApacheSpark" 3. What is the parallel version of the following code? 1 / 1 point 1 len(range(9999999999)) sc.parallelize(range(999999999)).count() parallelize(range(999999999)).count() O len(sc.parallelize(range(999999999))) size(sc.parallelize(range(999999999))) ount(sc.parallelize(range(999999999))) ✓ Correct 4. Which storage solutions support seamless modification of schemas? (Select all that apply) 0.667 / 1 point ObjectStorage ✓ NoSQL SQL/Relational Databases You didn't select all the correct answers 5. Which storage solutions support dynamic scaling on storage? (Select all that apply) 0.667 / 1 point ObjectStorage Correct ☐ NoSQL SQL/Relational Databases

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

| ObjectStorage
| NoSQL
| SQL/Relational Databases

| Correct
| Correct
| Correct
| Correct
| ApacheSparkSQL bypasses the RDD interface which has been proven to be very complicated
| SQL is simpler than RDD but has some performance drawbacks
| Catalyst and Tungsten are able to optimise the execution, so are more likely to execute more quickly than if you would had implemented something equivalent using the RDD API.

| Correct
| Correct
| Correct
| The API is simpler and doesn't require specific functional programming skills

You didn't select all the correct answers