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**Vendor:**Cloudera

**Exam Code:**CCB-400

**Exam Name:**Cloudera Certified Specialist in Apache  
HBase

**Version:**Demo

### QUESTION 1

You have a table with the following rowkeys:

r1, r2, r3, r10, r15, r20, r25, r30, r35

In which order will these rows be retrieved from a scan?

- A. r35,r30,r3,r25,r20,r2,r15,r10,r1
- B. r1,r2,r3,r10,r15,r20, r25,r30,r35
- C. r1,r10,r15,r2,r20,r25,r3,r30,r35
- D. r35,r30,r25,r20,r15,r10,r3,r2,r1

Correct Answer: D

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### QUESTION 2

Your HBase cluster has hit a performance wall and doesn't seem to be getting faster as you add RegionServers. Adding an additional HMaster will:

- A. Have no effect on performance.
- B. Improve the performance of region writes but decrease the performance of metadata changes.
- C. Improve the performance of metadata changes, but decrease the performance of region writes.
- D. Make the performance problem even worse, as operations will have to be replicated to multiple masters.

Correct Answer: A

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### QUESTION 3

Given the following HBase dataset, which is labeled with row numbers. . .

Row # ROW KEY COLUMN+CELL 1 BB002 Column=Comments:C\_Author, timestamp=001, value=Diana Mears 2 BB002 Column=Comments:C\_Title, timestamp=001, value=Thanks 3 BB001 Column=INFO:Title, timestamp=005, value=HBase+Hadoop 4 BB001 Column=INFO:Author,timestamp=005,value=Lars George 5 BB002 Column=Comments:C\_Text, timestamp=001, value=Any tips on ... 6 BB001 Column=INFO:Text, timestamp=005, value=Some of the ...

Which of the following lists of row numbers is the correct order that HBase would store this data?

- A. 1, 5, 2, 4, 3, 6
- B. 4, 1, 2, 6, 3, 5
- C. 4, 6, 3, 1, 5, 2

D. 3, 4, 6, 1, 2, 5

Correct Answer: C

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#### QUESTION 4

You are storing page view data for a large number of Web sites, each of which has many subdomains (www.example.com, archive.example.com, beta.example.com, etc.) Your reporting tool needs to retrieve the total number of page views for a given subdomain of a Web site. Which of the following rowkeys should you use?

- A. The reverse domain name (e.g., com.example.beta)
- B. The domain name followed by the URL
- C. The URL
- D. The URL followed by the reverse domain name

Correct Answer: C

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#### QUESTION 5

You need to create a "WebLogs" table in HBase. The table will consist of a single Column Family called "Errors" and two column qualifiers, "IP" and "URL". The shell command you should use to create the table is:

- A. `create\ 'WebLogs\',{NAME =>\ 'Errors:IP\ ', NAME =>\ 'Errors:URL\ }`
- B. `create\ 'WebLogs\ \,'Errors\ '\{NAME =>\ 'IP\ ', NAME =>\ 'URL\ }`
- C. `create\ 'WebLogs\ \,'Errors:IP\ \,'Errors:URL\ '`
- D. `create\ 'WebLogs\ \,'Errors\ '`

Correct Answer: C

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#### QUESTION 6

You need to insert a cell with a specific timestamp (version) 13353903160532. Which of the following is true?

- A. The timestamp for the entire row must be updated to 13353903160532
- B. The Put class allows setting a cell specific timestamp
- C. The Put class allows setting a column family-specific timestamp
- D. The HTable class allows you to temporarily roll back the newer versions of the cell

Correct Answer: B

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### QUESTION 7

You have images stored in HBase, which you need to retrieve from within your application. In which format will your data be returned from an HBase scan?

- A. Uninterpreted array of bytes
- B. Java string literal
- C. Hexadecimal
- D. Blob datatype

Correct Answer: D

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### QUESTION 8

Your client application is writing data to a Region. By default, where is the data saved first?

- A. StoreFile
- B. WAL
- C. MemStore
- D. Local disk on theRegionServer

Correct Answer: C

Reference: <http://www.cloudera.com/blog/2012/07/hbase-log-splitting/> (Log splitting, first paragraph)

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### QUESTION 9

You have a table live in production. The table uses user as the rowkey. You want to change the existing rowkeys to user\_id. Which of the following should you do?

- A. Modify the client application to write to both the old table and a new table while migrating the old data separately
- B. Use the ALTER table command to modify the rowkeys
- C. Use the ASSIGN command to modify the rowkeys
- D. Add a new column to store the user\_id

Correct Answer: B

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### QUESTION 10

Your client application connects to HBase for the first time and queries the .META. table. What information does the .META. table provide to your client application?

- A. The location of a Region
- B. The location of an MMaster
- C. The location of a ZooKeeper
- D. The location of a ?OOT?able

Correct Answer: A

Reference: [http://hbase.apache.org/book/arch.catalog.html\(9.2.2. Meta\)](http://hbase.apache.org/book/arch.catalog.html(9.2.2. Meta))

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#### QUESTION 11

You have a "Users" table in HBase and you would like to insert a row that consists of a UserID, "jsmith70" and an email address, "jane@example.com". The table has a single Column Family named "Meta" and the row key will be the user's ID. The shell command you should use to complete this is:

- A. `put `Users`, `jsmith70`, `jane@example.com``
- B. `put `Users`, `UserID:jsmith70`, `Email:jane@example.com``
- C. `put `Users`, `jsmith70`, `Meta:Email`, `jane@example.com``
- D. `put `Users`, `Meta:UserID`, `jsmith70`, `Meta:Email`, `jane@example.com``

Correct Answer: B

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#### QUESTION 12

Your data load application is maintaining a custom versioning scheme (not using the timestamp as the version number). You accidentally executed three writes to a given cell all with the same version during which time no flushes have occurred. Which of the three data writes will HBase maintain?

- A. None of the writes to cell
- B. The last write to cell
- C. The first write to cell
- D. All of the writes to cell

Correct Answer: C