

Assignment 2 - HBase

1. Start HBase daemon
2. Start HBase shell
3. Create a table called *Book* whose schema will be able to house book's title, description, author's first and last names. Book's title and description should be grouped as they will be saved/retrieved together. Author's first and last name should also be grouped (**hint:** since title and description need to be grouped together and so do author's first and last name, it would be wise to place them into 2 families such as *info* and *author*. Then *title* and *description* will become columns of *info* family and *first* and *last* columns of *author* family).

4. Add the following information to *Book* table:

ID	Title	Description	First name	Last name
1	Faster than the speed of love	Long book about love	Brian	Dog
2	Long day	Story about Monday	Emily	Blue
3	Flying Car	Novel about airplanes	Phil	High

5. Count the number of rows. Make sure that every row is printed to the screen as it is being counted.
6. Retrieve an entire record with ID 1
7. Only retrieve title and description for record with ID 3.
8. Change the last name of an author for the record with title *Long Day* to *Happy*.
 - Display the record on the screen to verify the change.
 - Display both new and old value. You should be able to see both *Blue* and *Happy*. Why is that?
9. Display all the records to the screen.
10. Display title and author's last name for all the records.
11. Display title and description for the first 2 records
12. Explore HBase Web-based management console, try and learn as much as you can about your new table.

13. Check the *detailed* status of your cluster via HBase shell.
14. Delete a record whose title is *Flying Car*, and validate the record was deleted by scanning all the records or by attempting to select the record.
15. Drop the table *Book*.