STSCI 5065 Quiz 3
(3/14/2019)

Name:
NetID:

What are the three collection data types in Hive and their features? Give an example of each.

They are struct, map and array. (30 points)

A struct is a collection that holds fields of key-value pairs. The values can be of any data type in the same struct. The fields are accessed with the dot notation. An example is {"Name" : "John Smith", "Age" : "25"}. (25 points)

A map is a collection of key-value pairs but the values must be of the same data type in a specific map. The fields are accessed by the [key] notation. An example of map data type is {"Federal Taxes":0.2,"State Taxes":0.05,"Insurance":0.1}. (25 points)

An array is an ordered sequence of the same type that is indexable using zero-based integers. The fields are accessed by indexing. An example is ["Mary Smith","David Wells"]. (20 points)