**What is NoSQL Database?**

NOSQL databases does not follow strict schema like the traditional relational databases system.It is created to handle huge volume of data

**How does data get stored in No SQL?**

There are different types of NOSQL databases,each uses different menthods to store the data

1.Document Oreinted(MongoDB,CouchDB)

2.Key Value Based here the aggregate is the key value pair(RIAK DB,HBASE)

3Graph Databses(Neo4J)

4.Proprietory Databaes(dynamo Db)

**What is a column family in HBASE?**

Columns in Hbase are grouped into Column families.All the related data is kept in one column family.ColumnFamily is created to avoid Joins.

Ex:

{

“1” :{

“A” :{

“foo” :”x”

“bar” :”anjali”

},

So here A is the column family.

**4.How many maximum number of columns can be added to HBase table?**

There is no limit to number of column families.

**5.Why columns are not defined at the time of table creation in HBase?**

In order to store the data dynamically.

**6.How does data get managed in HBase?**

Data in HBase is stored in the format of row and column family .

**7. What happens internally when new data gets inserted into HBase table?**

**Task2**

**Commands:**

1

Create ‘clicks’ , ‘hits’

Alter ‘clicks’,{NAME=>’hits’ ,VERSIONS=>5}

put ‘clicks’, ‘c1’,’hits:name’,’abc’

put ‘clicks’, ‘c1’,’hits:age,30’

put ‘clicks’, ‘c1’,’hits:address,’Bangalore’

put ‘clicks’, ‘c1’,’hits:password,’lion’

put ‘clicks’, ‘c1’,’hits:password1’,’liontiger’

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