```
 1   1. Create Database
 2     1)The use Command
 3       -MongoDB [use DATABASE_NAME] is used to create database.
 4       -The command will create a new database if it doesn't exist, otherwise it will return the existing
         database.
 5       -Syntax
 6        >use DATABASE_NAME
 7       -If you want to create a database with name <mydb>, then use DATABASE statement would be as
         follows:
 8        > use mydb
 9        switched to db mydb
10
11     2)To check your currently selected database, use the command db
12       > db
13       mydb
14
15     3)If you want to check your databases list, use the command show dbs.
16       >show dbs
17       admin     0.000GB
18       local      0.000GB
19       -Your created database (mydb) is not present in list.
20       -To display database, you need to insert at least one document into it.
21        >db.movie.insert({"name":"Avatar"})
22        >WriteResult({"nInserted" : 1})
23        >
24        > show dbs
25       admin      0.000GB
26       local      0.000GB
27       mydb       0.000GB
28        >
29        > db.stats()
30        > db.stats()
31        {
32             "db" : "mydb",
33             "collections" : 1,
34             "views" : 0,
35             "objects" : 1,
36             "avgObjSize" : 51,
37             "dataSize" : 51,
38             "storageSize" : 16384,
39             "numExtents" : 0,
40             "indexes" : 1,
41             "indexSize" : 16384,
42             "ok" : 1
43        }
44        >
45
46   2. Drop Database
47     1)The dropDatabase() Method
48       -MongoDB db.dropDatabase() command is used to drop a existing database.
49       -Syntax
50        db.dropDatabase()
51       -This will delete the selected database.
52
53     2)First, check the list of available databases by using the command, show dbs.
54       >show dbs
55       admin  0.000GB
```

```
56    local    0.000GB
57    mydb   0.000GB
58    >
59
60    3)If you want to delete new database <mydb>, then dropDatabase() command
61     >use mydb
62     switched to db mydb
63     >db.dropDatabase()
64     >{ "dropped" : "mydb", "ok" : 1 }
65     >
66
67    4)Now check list of databases.
68     >show dbs
69     admin  0.000GB
70     local    0.000GB
71     >
72
73  3. Create Collection
74    1)The createCollection() Method
75     -MongoDB db.createCollection(name, options) is used to create collection.
76     -Syntax
77       db.createCollection(name, options)
78     -In the command, name is name of collection to be created.
79     -Options is a document and is used to specify configuration of collection.
80      --name(String)  : Name of the collection to be created
81      --Options(Document) : (Optional) Specify options about memory size and indexing
82     -Options parameter is optional, so you need to specify only the name of the collection.
83    2)Options list
84     -capped
85      --Boolean
86      --(Optional) If true, enables a capped collection.
87      --Capped collection is a fixed size collection that automatically overwrites its oldest entries when it
         reaches its maximum size.
88      --If you specify true, you need to specify size parameter also.
89
90     -size
91      --number
92      --(Optional) Specifies a maximum size in bytes for a capped collection.
93      --If capped is true, then you need to specify this field also.
94
95     -max
96      --number
97      --(Optional) Specifies the maximum number of documents allowed in the capped collection.
98
99    3)While inserting the document, MongoDB first checks size field of capped collection, then it checks
      max field.
100
101    4)Examples
102     >use test
103     switched to db test
104     >db.createCollection("mycollection")
105     { "ok" : 1 }
106     >
107
108     >show collections
109     mycollection
110
```

111    -The following example shows the syntax of createCollection() method with few important options
112      >db.createCollection("mycol", { capped : true, size : 6142800, max : 10000 } )
113      { "ok" : 1 }
114      >
115
116    -In MongoDB, you don't need to create collection.
117    -MongoDB creates collection automatically, when you insert some document.
118
119      >db.tutorialspoint.insert({"name" : "movie"})
120      >WriteResult({"nInserted" : 1})
121
122      >show collections
123      mycol
124      mycollection
125      movie
126      >
127
128  4. Drop Collection
129    1)The drop() Method
130      -MongoDB's db.collection.drop() is used to drop a collection from the database.
131      -Syntax
132        db.COLLECTION_NAME.drop()
133
134      >use mydb
135      switched to db mydb
136      >show collections
137      mycol
138      mycollection
139      >
140
141      >db.mycollection.drop()
142      true
143      >
144
145      >show collections
146      mycol
147      >
148    2)drop() method will return true, if the selected collection is dropped successfully, otherwise it will
       return false.
149
150
151
152
153
154