DBMS Project

Football Club Management System

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OrientDB Characteristics

- It's more than lines in tables—NoSQL frameworks store and recover information from numerous configurations: key-esteem stores, diagram databases, section family (Bigtable) stores, archive stores, and even lines in tables.

- It's free of joins—NoSQL frameworks enable you to extricate your information utilizing basic interfaces without joins.

- It's sans pattern—NoSQL frameworks enable you to relocate your information into an envelope and after that question it without making an element social model.

- It deals with numerous processors—NoSQL frameworks enable you to store your database on different processors and keep up fast execution.

- It utilizes shared-nothing item PCs—Most (yet not all) NoSQL frameworks use ease product processors that have separate RAM and plate.

- It underpins direct adaptability—When you include more processors, you get a reliable increment in execution.

- It's creative—NoSQL offers alternatives to a solitary method for putting away, recovering, and controlling information. NoSQL supporters (otherwise called NoSQLers) have a comprehensive

- state of mind about NoSQL and perceive SQL arrangements as practical alternatives. To the NoSQL people group, NoSQL signifies "Not just SQL."

- NoSQL applications are driven by the failure of a present application to proficiently scale when enormous information is an issue. In spite of the fact that volume and speed are vital, NoSQL likewise centers around inconstancy and deftness.

- It is anything but a tip top gathering of items—NoSQL isn't a selective club with a couple of items. There are no participation levy or tests required to join. To be viewed as a NoSQLer, you just need to persuade others that you have creative answers for their business issues.

NoSQL Trial for review 2:

OrientDB console v.2.2.6 (build 2.2.x@r4b1cc998b36ca2ae21a1679938912a8f545a994a; 2016-07-27 15:34:14+0000) www.orientdb.com

Type 'help' to display all the supported commands.

Installing extensions for GREMLIN language v.2.6.0

orientdb> create database trial;

Error: java.lang.IllegalArgumentException: Invalid URL

orientdb> CREATE DATABASE PLOCAL:/opt/orientdb/databses/trial;

Creating database [PLOCAL:/opt/orientdb/databses/trial] using the storage type [PLOCAL]...

Database created successfully.

Current database is: PLOCAL:/opt/orientdb/databses/trial

orientdb {db=trial}> create class employee

Class created successfully. Total classes in database now: 11.

orientdb {db=trial}> create property employee.id integer

Property created successfully with id=1.

orientdb {db=trial}> create property employee.name String

Property created successfully with id=2.

orientdb {db=trial}> create property employee.address String

Property created successfully with id=3.

orientdb {db=trial}> create property employee.managerid integer

Property created successfully with id=4.

orientdb {db=trial}> create property employee.hiredate date

Property created successfully with id=5.

orientdb {db=trial}> create property employee.dno integer

Property created successfully with id=6.

orientdb {db=trial}> create property employee.salary integer

Property created successfully with id=7.

orientdb {db=trial}> insert into employee (id, name, address, managerid, hiredate, dno, salary) values (123, 'Krishna', '801, arum, powai, Mumbai', NULL, 12-aug-18, 1, 50000)

Inserted record 'employee#17:0{id:123,name:Krishna,address:801, arum, powai, Mumbai,managerid:null,hiredate:null,dno:1,salary:50000} v1' in 0.069000 sec(s).

orientdb {db=trial}> insert into employee (id, name, address, managerid, hiredate, dno, salary) values (456, 'Mohit', '6969, bighouse, Richkid, Dubai', 123, '25-aug-18', 1, 10000)

Error: com.orientechnologies.orient.core.exception.OQueryParsingException: Error on conversion of date '25-aug-18' using the format: yyyy-MM-dd

    DB name="trial"

Error: java.text.ParseException: Unparseable date: "25-aug-18"

orientdb {db=trial}> insert into employee (id, name, address, managerid, hiredate, dno, salary) values (456, 'Mohit', '6969, bighouse, Richkid, Dubai', 123, 25-aug-18, 1, 10000)

Inserted record 'employee#18:0{id:456,name:Mohit,address:6969, bighouse, Richkid, Dubai,managerid:123,hiredate:null,dno:1,salary:10000} v1' in 0.016000 sec(s).

orientdb {db=trial}> insert into employee (id, name, address, managerid, hiredate, dno, salary) values (789, 'Mustafa', '420, Blazeit, Fam, Indore, Gujrat', 123, 20-aug-18, 1, 30000)

Inserted record 'employee#19:0{id:789,name:Mustafa,address:420, Blazeit, Fam, Indore, Gujrat,managerid:123,hiredate:null,dno:1,salary:30000} v1' in 0.000000 sec(s).

orientdb {db=trial}> insert into employee (id, name, address, managerid, hiredate, dno, salary) values (101, 'Rishab', '2, Ram Nagar, Udaipur, Rajasthan', NULL, 13-aug-18, 2, 40000)

Inserted record 'employee#20:0{id:101,name:Rishab,address:2, Ram Nagar, Udaipur, Rajasthan,managerid:null,hiredate:null,dno:2,salary:40000} v1' in 0.000000 sec(s).

orientdb {db=trial}> insert into employee (id, name, address, managerid, hiredate, dno, salary) values (102, 'Manav', '360, Greek Colony, Ramganj, Chattisgarh', 101, 15-aug-18, 2, 20000)

Inserted record 'employee#17:1{id:102,name:Manav,address:360, Greek Colony, Ramganj, Chattisgarh,managerid:101,hiredate:null,dno:2,salary:20000} v1' in 0.000000 sec(s).

orientdb {db=trial}> insert into employee (id, name, address, managerid, hiredate, dno, salary) values (103, 'Pranav', '399, Cyka Bliat, Butkenyudodis, Moscow', 101, 27-aug-18, 2, 5000)

Inserted record 'employee#18:1{id:103,name:Pranav,address:399, Cyka Bliat, Butkenyudodis, Moscow,managerid:101,hiredate:null,dno:2,salary:5000} v1' in 0.000000 sec(s).

orientdb {db=trial}> select from employee

+----+-----+--------+----+-------+-----------------------------------+---------+--------+----+------+
|# |@RID |@CLASS |id |name |address |managerid|hiredate|dno |salary|
+----+-----+--------+----+-------+-----------------------------------+---------+--------+----+------+
0	#17:0	employee	123	Krishna	801, arum, powai, Mumbai			1	50000
1	#17:1	employee	102	Manav	360, Greek Colony, Ramganj, Chattisgarh	101		2	20000
2	#18:0	employee	456	Mohit	6969, bighouse, Richkid, Dubai	123		1	10000
3	#18:1	employee	103	Pranav	399, Cyka Bliat, Butkenyudodis, Moscow	101		2	5000
4	#19:0	employee	789	Mustafa	420, Blazeit, Fam, Indore, Gujrat	123		1	30000
5	#20:0	employee	101	Rishab	2, Ram Nagar, Udaipur, Rajasthan			2	40000
+----+-----+--------+----+-------+-----------------------------------+---------+--------+----+------+

6 item(s) found. Query executed in 0.016 sec(s).

orientdb {db=trial}> update employee set hiredate = 2018-08-12 where id = 123

orientdb {db=trial}> commit

Error: no active transaction is currently open.

orientdb {db=trial}> begin

Transaction 1 is running

orientdb {db=trial tx=[0 entries]}> commit

Transaction 1 has been committed in 1ms

orientdb {db=trial}> list databases

Not connected to the Server instance. You've to connect to the Server using server's credentials (look at orientdb-*server-config.xml file)

orientdb {db=trial}> select from employee where name like 'm%'

0 item(s) found. Query executed in 0.023 sec(s).

orientdb {db=trial}> select from employee where name like 'M%'


```
+----+-----+--------+-------+----+------------------------------------+---------+--------+----+------+
|#   |@RID |@CLASS  |name   |id  |address                             |managerid|hiredate|dno |salary|
+----+-----+--------+-------+----+------------------------------------+---------+--------+----+------+
|0   |#17:1|employee|Manav  |102 |360, Greek Colony, Ramganj, Chattisgarh|101   |        |2   |20000 |
|1   |#18:0|employee|Mohit  |456 |6969, bighouse, Richkid, Dubai      |123      |        |1   |10000 |
|2   |#19:0|employee|Mustafa|789 |420, Blazeit, Fam, Indore, Gujrat   |123      |        |1   |30000 |
+----+-----+--------+-------+----+------------------------------------+---------+--------+----+------+
```


3 item(s) found. Query executed in 0.005 sec(s).

orientdb {db=trial}> select from employee where name.left(1) = 'k'

0 item(s) found. Query executed in 0.008 sec(s).

orientdb {db=trial}> select from employee where name.left(1) = 'K'

```
+----+-----+--------+-------+----+----------------------+---------+--------+----+------+
|#   |@RID |@CLASS  |name   |id  |address               |managerid|hiredate|dno |salary|
+----+-----+--------+-------+----+----------------------+---------+--------+----+------+
|0   |#17:0|employee|Krishna|123 |801, arum, powai, Mumbai|       |        |1   |50000 |
+----+-----+--------+-------+----+----------------------+---------+--------+----+------+
```

1 item(s) found. Query executed in 0.005 sec(s).

orientdb {db=trial}> select name.toLowerCase() FROM employee

```
+----+-------+
|#   |name   |
+----+-------+
|0   |krishna|
|1   |manav  |
|2   |mohit  |
|3   |pranav |
|4   |mustafa|
|5   |rishab |
+----+-------+
```

6 item(s) found. Query executed in 0.008 sec(s).

orientdb {db=trial}> select from employee where salary in [30000, 60000]

```
+----+-----+--------+------+----+-------+------------------------------+---------+--------+----+
```

```
|#  |@RID |@CLASS  |salary|id  |name   |address                       |managerid|hiredate|dno |
+----+-----+--------+------+----+-------+------------------------------+---------+--------+----+
|0  |#19:0|employee|30000 |789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat|123   |        |1   |
+----+-----+--------+------+----+-------+------------------------------+---------+--------+----+
```

1 item(s) found. Query executed in 0.003 sec(s).

orientdb {db=trial}> select from employee where any() like '%af%'

```
+----+-----+--------+----+-------+------------------------------+---------+--------+----+------+
|#  |@RID |@CLASS  |id  |name   |address                       |managerid|hiredate|dno |salary|
+----+-----+--------+----+-------+------------------------------+---------+--------+----+------+
|0  |#19:0|employee|789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat|123   |        |1   |30000 |
+----+-----+--------+----+-------+------------------------------+---------+--------+----+------+
```

1 item(s) found. Query executed in 0.006 sec(s).

orientdb {db=trial}> orientdb {db = demo}> select from employee order by salary desc

!Unrecognized command: 'orientdb {db = demo}> select from employee order by salary desc'

orientdb {db=trial}> orientdb {db = demo}> select from employee order by id desc

!Unrecognized command: 'orientdb {db = demo}> select from employee order by id desc'

orientdb {db=trial}> select from employee order by id desc

```
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|#  |@RID |@CLASS  |id  |name   |address                             |managerid|hiredate|dno |salary|
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|0  |#19:0|employee|789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat    |123     |        |1   |30000 |
```

| |1 |#18:0|employee|456 |Mohit |6969, bighouse, Richkid, Dubai |123 | |1 |10000 |

| |2 |#17:0|employee|123 |Krishna|801, arum, powai, Mumbai | | |1 |50000 |

| |3 |#18:1|employee|103 |Pranav |399, Cyka Bliat, Butkenyudodis, Moscow |101 | |2 |5000 |

| |4 |#17:1|employee|102 |Manav |360, Greek Colony, Ramganj, Chattisgarh|101 | |2 |20000 |

| |5 |#20:0|employee|101 |Rishab |2, Ram Nagar, Udaipur, Rajasthan | | |2 |40000 |

+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+

6 item(s) found. Query executed in 0.078 sec(s).

orientdb {db=trial}> select from employee order by salary desc

+----+-----+--------+------+----+-------+------------------------------------+---------+--------+----+

|# |@RID |@CLASS |salary|id |name |address |managerid|hiredate|dno |

+----+-----+--------+------+----+-------+------------------------------------+---------+--------+----+

|0 |#17:0|employee|50000 |123 |Krishna|801, arum, powai, Mumbai | | |1 |

|1 |#20:0|employee|40000 |101 |Rishab |2, Ram Nagar, Udaipur, Rajasthan | | |2 |

|2 |#19:0|employee|30000 |789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat |123 | |1 |

|3 |#17:1|employee|20000 |102 |Manav |360, Greek Colony, Ramganj, Chattisgarh|101 | |2 |

|4 |#18:0|employee|10000 |456 |Mohit |6969, bighouse, Richkid, Dubai |123 | |1 |

|5 |#18:1|employee|5000 |103 |Pranav |399, Cyka Bliat, Butkenyudodis, Moscow |101 | |2 |

+----+-----+--------+------+----+-------+------------------------------------+---------+--------+----+

6 item(s) found. Query executed in 0.003 sec(s).

orientdb {db=trial}> select from employee order by salary desc parallel

+----+-----+--------+------+----+-------+------------------------------------+---------+--------+----+

```
|#  |@RID |@CLASS  |salary|id  |name  |address                           |managerid|hiredate|dno |

+----+-----+--------+------+----+------+----------------------------------+---------+--------+----+

|0  |#17:0|employee|50000 |123 |Krishna|801, arum, powai, Mumbai        |         |        |1  |

|1  |#20:0|employee|40000 |101 |Rishab |2, Ram Nagar, Udaipur, Rajasthan |         |        |2  |

|2  |#19:0|employee|30000 |789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat |123     |        |1  |

|3  |#17:1|employee|20000 |102 |Manav  |360, Greek Colony, Ramganj, Chattisgarh|101   |
|2  |

|4  |#18:0|employee|10000 |456 |Mohit  |6969, bighouse, Richkid, Dubai   |123     |        |1  |

|5  |#18:1|employee|5000  |103 |Pranav |399, Cyka Bliat, Butkenyudodis, Moscow |101   |
|2  |

+----+-----+--------+------+----+------+----------------------------------+---------+--------+----+
```

6 item(s) found. Query executed in 0.005 sec(s).

orientdb {db=trial}> select name from employee group by dno

```
+----+-------+

|#  |name   |

+----+-------+

|0  |Mustafa|

|1  |Rishab |

+----+-------+
```

2 item(s) found. Query executed in 0.003 sec(s).

orientdb {db=trial}> select name from employee group by dno

```
+----+-------+

|#  |name   |
```

```
+----+-------+
|0   |Mustafa|
|1   |Rishab |
+----+-------+
```

2 item(s) found. Query executed in 0.002 sec(s).

orientdb {db=trial}> list properties

DATABASE PROPERTIES

```
+----+----------------+------------------+
|#   |NAME            |VALUE             |
+----+----------------+------------------+
|0   |Version         |-1                |
|1   |Conflict-Strategy|                 |
|2   |Date-Format     |yyyy-MM-dd        |
|3   |Datetime-Format |yyyy-MM-dd HH:mm:ss|
|4   |Timezone        |Asia/Calcutta     |
|5   |Locale-Country  |US                |
|6   |Locale-Language |en                |
|7   |Charset         |UTF-8             |
|8   |Schema-RID      |#0:1              |
|9   |Index-Manager-RID|#0:2             |
|10  |Dictionary-RID  |                  |
+----+----------------+------------------+
```

DATABASE CUSTOM PROPERTIES:

```
+----+---------+-----+
|#   |NAME     |VALUE|
+----+---------+-----+
|0   |strictSql|true |
+----+---------+-----+
```

orientdb {db=trial}> create database fordelete

Error: java.lang.IllegalArgumentException: Invalid URL

orientdb {db=trial}> create database PLOCAL:/opt/orientdb/databses/fordrop

Creating database [PLOCAL:/opt/orientdb/databses/fordrop] using the storage type [PLOCAL]...

Database created successfully.

Current database is: PLOCAL:/opt/orientdb/databses/fordrop

orientdb {db=fordrop}> create class del

Class created successfully. Total classes in database now: 11.

orientdb {db=fordrop}> drop class del

Removed class in 0.381000 sec(s).

```
orientdb> CONNECT PLOCAL:/opt/orientdb/databases/trial admin admin


Disconnecting from the database [null]...OK

Connecting to database [PLOCAL:/opt/orientdb/databases/trial] with user 'admin'...OK

orientdb {db=trial}> backup database ./backup-trial.zip

Executing full backup of database 'trial' to: database ./backup-trial.zip...


- Compressing file command-cache.json...ok size=114b compressedSize=98 ratio=15% elapsed=11ms

- Compressing file database.ocf...ok size=2.56KB compressedSize=441 ratio=84% elapsed=0ms

- Compressing file default.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file default.pcl...ok size=65.00KB compressedSize=120 ratio=100% elapsed=2ms

- Compressing file dictionary.nbt...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file dictionary.sbt...ok size=65.00KB compressedSize=122 ratio=100% elapsed=2ms

- Compressing file dirty.fl...ok size=1b compressedSize=3 ratio=-200% elapsed=1ms

- Compressing file e.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file e.pcl...ok size=65.00KB compressedSize=123 ratio=100% elapsed=1ms

- Compressing file employee.cpm...ok size=65.00KB compressedSize=126 ratio=100% elapsed=1ms

- Compressing file employee.pcl...ok size=129.00KB compressedSize=425 ratio=100% elapsed=1ms

- Compressing file employee_1.cpm...ok size=65.00KB compressedSize=124 ratio=100%
elapsed=3ms

- Compressing file employee_1.pcl...ok size=129.00KB compressedSize=437 ratio=100% elapsed=2ms

- Compressing file employee_2.cpm...ok size=65.00KB compressedSize=120 ratio=100%
elapsed=3ms

- Compressing file employee_2.pcl...ok size=129.00KB compressedSize=345 ratio=100% elapsed=3ms

- Compressing file employee_3.cpm...ok size=65.00KB compressedSize=118 ratio=100%
elapsed=3ms

- Compressing file employee_3.pcl...ok size=129.00KB compressedSize=338 ratio=100% elapsed=6ms

- Compressing file e_1.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file e_1.pcl...ok size=65.00KB compressedSize=122 ratio=100% elapsed=4ms
```

- Compressing file e_2.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file e_2.pcl...ok size=65.00KB compressedSize=121 ratio=100% elapsed=3ms

- Compressing file e_3.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file e_3.pcl...ok size=65.00KB compressedSize=121 ratio=100% elapsed=5ms

- Compressing file index.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file index.pcl...ok size=65.00KB compressedSize=119 ratio=100% elapsed=5ms

- Compressing file internal.cpm...ok size=65.00KB compressedSize=128 ratio=100% elapsed=3ms

- Compressing file internal.pcl...ok size=129.00KB compressedSize=10658 ratio=92% elapsed=14ms

- Compressing file manindex.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=5ms

- Compressing file manindex.pcl...ok size=65.00KB compressedSize=120 ratio=100% elapsed=4ms

- Compressing file name_id_map.cm...ok size=1.93KB compressedSize=421 ratio=79% elapsed=3ms

- Compressing file ofunction.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file OFunction.name.hib...ok size=16.00MB compressedSize=21414 ratio=100% elapsed=174ms

- Compressing file OFunction.name.him...ok size=65.00KB compressedSize=120 ratio=100% elapsed=1ms

- Compressing file OFunction.name.hit...ok size=65.00KB compressedSize=640 ratio=100% elapsed=2ms

- Compressing file OFunction.name.hnb...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file ofunction.pcl...ok size=65.00KB compressedSize=119 ratio=100% elapsed=1ms

- Compressing file orole.cpm...ok size=65.00KB compressedSize=126 ratio=100% elapsed=2ms

- Compressing file ORole.name.nbt...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file ORole.name.sbt...ok size=65.00KB compressedSize=185 ratio=100% elapsed=1ms

- Compressing file orole.pcl...ok size=129.00KB compressedSize=626 ratio=100% elapsed=2ms

- Compressing file oschedule.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file oschedule.pcl...ok size=65.00KB compressedSize=122 ratio=100% elapsed=1ms

- Compressing file osequence.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file osequence.pcl...ok size=65.00KB compressedSize=120 ratio=100% elapsed=1ms

- Compressing file ouser.cpm...ok size=65.00KB compressedSize=126 ratio=100% elapsed=1ms

- Compressing file OUser.name.nbt...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file OUser.name.sbt...ok size=65.00KB compressedSize=178 ratio=100% elapsed=1ms

- Compressing file ouser.pcl...ok size=129.00KB compressedSize=638 ratio=100% elapsed=2ms

- Compressing file trial.wmr...ok size=40b compressedSize=19 ratio=53% elapsed=1ms

- Compressing file v.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file v.pcl...ok size=65.00KB compressedSize=123 ratio=100% elapsed=1ms

- Compressing file v_1.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file v_1.pcl...ok size=65.00KB compressedSize=122 ratio=100% elapsed=1ms

- Compressing file v_2.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file v_2.pcl...ok size=65.00KB compressedSize=121 ratio=100% elapsed=1ms

- Compressing file v_3.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file v_3.pcl...ok size=65.00KB compressedSize=123 ratio=100% elapsed=0ms

Backup executed in 0.60 seconds

orientdb {db=trial}> RESTORE DATABASE backup-trial.zip

Restoring database 'DATABASE backup-trial.zip' from full backup...

- Uncompressing file command-cache.json...

- Uncompressing file database.ocf...

- Uncompressing file default.cpm...

- Uncompressing file default.pcl...

- Uncompressing file dictionary.nbt...

- Uncompressing file dictionary.sbt...

- Uncompressing file dirty.fl...

- Uncompressing file e.cpm...

- Uncompressing file e.pcl...

- Uncompressing file employee.cpm...

- Uncompressing file employee.pcl...

- Uncompressing file employee_1.cpm...

- Uncompressing file employee_1.pcl...

- Uncompressing file employee_2.cpm...

- Uncompressing file employee_2.pcl...

- Uncompressing file employee_3.cpm...

- Uncompressing file employee_3.pcl...

- Uncompressing file e_1.cpm...

- Uncompressing file e_1.pcl...

- Uncompressing file e_2.cpm...

- Uncompressing file e_2.pcl...

- Uncompressing file e_3.cpm...

- Uncompressing file e_3.pcl...

- Uncompressing file index.cpm...

- Uncompressing file index.pcl...

- Uncompressing file internal.cpm...

- Uncompressing file internal.pcl...

- Uncompressing file manindex.cpm...

- Uncompressing file manindex.pcl...

- Uncompressing file name_id_map.cm...

- Uncompressing file ofunction.cpm...

- Uncompressing file OFunction.name.hib...

- Uncompressing file OFunction.name.him...

- Uncompressing file OFunction.name.hit...

- Uncompressing file OFunction.name.hnb...

- Uncompressing file ofunction.pcl...

- Uncompressing file orole.cpm...

- Uncompressing file ORole.name.nbt...

```
- Uncompressing file ORole.name.sbt...

- Uncompressing file orole.pcl...

- Uncompressing file oschedule.cpm...

- Uncompressing file oschedule.pcl...

- Uncompressing file osequence.cpm...

- Uncompressing file osequence.pcl...

- Uncompressing file ouser.cpm...

- Uncompressing file OUser.name.nbt...

- Uncompressing file OUser.name.sbt...

- Uncompressing file ouser.pcl...

- Uncompressing file trial.wmr...

- Uncompressing file v.cpm...

- Uncompressing file v.pcl...

- Uncompressing file v_1.cpm...

- Uncompressing file v_1.pcl...

- Uncompressing file v_2.cpm...

- Uncompressing file v_2.pcl...

- Uncompressing file v_3.cpm...

- Uncompressing file v_3.pcl...

Database restored in 0.93 seconds

orientdb {db=trial}> update employee set name= 'Rohit' where name= 'Mohit'


Updated record(s) '1' in 0.007000 sec(s).


orientdb {db=trial}> select name from employee


+----+-------+
```

```
|#  |name  |
+----+-------+
|0  |Krishna|
|1  |Manav  |
|2  |Rohit  |
|3  |Pranav |
|4  |Mustafa|
|5  |Rishab |
+----+-------+
```

6 item(s) found. Query executed in 0.003 sec(s).

orientdb {db=trial}> select from employee

```
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|#  |@RID |@CLASS  |id  |name   |address                             |managerid|hiredate|dno |salary|
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|0  |#17:0|employee|123 |Krishna|801, arum, powai, Mumbai            |         |        |1   |50000 |
|1  |#17:1|employee|102 |Manav  |360, Greek Colony, Ramganj, Chattisgarh|101   |        |2   |20000 |
|2  |#18:0|employee|456 |Rohit  |6969, bighouse, Richkid, Dubai      |123      |        |1   |10000 |
|3  |#18:1|employee|103 |Pranav |399, Cyka Bliat, Butkenyudodis, Moscow |101   |        |2   |5000  |
|4  |#19:0|employee|789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat   |123      |        |1   |30000 |
|5  |#20:0|employee|101 |Rishab |2, Ram Nagar, Udaipur, Rajasthan    |         |        |2   |40000 |
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
```

6 item(s) found. Query executed in 0.0 sec(s).

```
orientdb {db=trial}> backup database ./backup-trial.zip

Executing full backup of database 'trial' to: database ./backup-trial.zip...


- Compressing file cache.stt...ok size=3.22KB compressedSize=573 ratio=83% elapsed=4ms

- Compressing file command-cache.json...ok size=114b compressedSize=98 ratio=15% elapsed=1ms

- Compressing file database.ocf...ok size=2.56KB compressedSize=441 ratio=84% elapsed=1ms

- Compressing file default.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file default.pcl...ok size=65.00KB compressedSize=120 ratio=100% elapsed=3ms

- Compressing file dictionary.nbt...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file dictionary.sbt...ok size=65.00KB compressedSize=122 ratio=100% elapsed=2ms

- Compressing file dirty.fl...ok size=1b compressedSize=3 ratio=-200% elapsed=0ms

- Compressing file e.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file e.pcl...ok size=65.00KB compressedSize=123 ratio=100% elapsed=3ms

- Compressing file employee.cpm...ok size=65.00KB compressedSize=126 ratio=100% elapsed=3ms

- Compressing file employee.pcl...ok size=129.00KB compressedSize=425 ratio=100% elapsed=4ms

- Compressing file employee_1.cpm...ok size=65.00KB compressedSize=124 ratio=100%
elapsed=2ms

- Compressing file employee_1.pcl...ok size=129.00KB compressedSize=437 ratio=100% elapsed=5ms

- Compressing file employee_2.cpm...ok size=65.00KB compressedSize=120 ratio=100%
elapsed=2ms

- Compressing file employee_2.pcl...ok size=129.00KB compressedSize=345 ratio=100% elapsed=6ms

- Compressing file employee_3.cpm...ok size=65.00KB compressedSize=118 ratio=100%
elapsed=2ms

- Compressing file employee_3.pcl...ok size=129.00KB compressedSize=338 ratio=100% elapsed=3ms

- Compressing file e_1.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file e_1.pcl...ok size=65.00KB compressedSize=122 ratio=100% elapsed=3ms

- Compressing file e_2.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file e_2.pcl...ok size=65.00KB compressedSize=121 ratio=100% elapsed=2ms
```

- Compressing file e_3.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file e_3.pcl...ok size=65.00KB compressedSize=121 ratio=100% elapsed=2ms

- Compressing file index.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file index.pcl...ok size=65.00KB compressedSize=119 ratio=100% elapsed=2ms

- Compressing file internal.cpm...ok size=65.00KB compressedSize=128 ratio=100% elapsed=2ms

- Compressing file internal.pcl...ok size=129.00KB compressedSize=10658 ratio=92% elapsed=10ms

- Compressing file manindex.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file manindex.pcl...ok size=65.00KB compressedSize=120 ratio=100% elapsed=4ms

- Compressing file name_id_map.cm...ok size=1.93KB compressedSize=421 ratio=79% elapsed=1ms

- Compressing file ofunction.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file OFunction.name.hib...ok size=16.00MB compressedSize=21414 ratio=100% elapsed=220ms

- Compressing file OFunction.name.him...ok size=65.00KB compressedSize=120 ratio=100% elapsed=1ms

- Compressing file OFunction.name.hit...ok size=65.00KB compressedSize=640 ratio=100% elapsed=3ms

- Compressing file OFunction.name.hnb...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file ofunction.pcl...ok size=65.00KB compressedSize=119 ratio=100% elapsed=1ms

- Compressing file orole.cpm...ok size=65.00KB compressedSize=126 ratio=100% elapsed=1ms

- Compressing file ORole.name.nbt...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file ORole.name.sbt...ok size=65.00KB compressedSize=185 ratio=100% elapsed=1ms

- Compressing file orole.pcl...ok size=129.00KB compressedSize=626 ratio=100% elapsed=3ms

- Compressing file oschedule.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file oschedule.pcl...ok size=65.00KB compressedSize=122 ratio=100% elapsed=1ms

- Compressing file osequence.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file osequence.pcl...ok size=65.00KB compressedSize=120 ratio=100% elapsed=1ms

- Compressing file ouser.cpm...ok size=65.00KB compressedSize=126 ratio=100% elapsed=1ms

- Compressing file OUser.name.nbt...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file OUser.name.sbt...ok size=65.00KB compressedSize=178 ratio=100% elapsed=1ms

```
- Compressing file ouser.pcl...ok size=129.00KB compressedSize=638 ratio=100% elapsed=1ms

- Compressing file trial.wmr...ok size=40b compressedSize=20 ratio=50% elapsed=1ms

- Compressing file v.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=1ms

- Compressing file v.pcl...ok size=65.00KB compressedSize=123 ratio=100% elapsed=1ms

- Compressing file v_1.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file v_1.pcl...ok size=65.00KB compressedSize=122 ratio=100% elapsed=1ms

- Compressing file v_2.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file v_2.pcl...ok size=65.00KB compressedSize=121 ratio=100% elapsed=1ms

- Compressing file v_3.cpm...ok size=1024b compressedSize=15 ratio=99% elapsed=0ms

- Compressing file v_3.pcl...ok size=65.00KB compressedSize=123 ratio=100% elapsed=1ms

Backup executed in 0.49 seconds

orientdb {db=trial}> TRUNCATE RECORD #17:0


Truncated 1 record(s) in 0.006000 sec(s).


orientdb {db=trial}> select from employee
```

```
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|#   |@RID |@CLASS  |id  |name   |address                             |managerid|hiredate|dno |salary|
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|0   |#17:1|employee|102 |Manav  |360, Greek Colony, Ramganj, Chattisgarh|101   |        |2   |20000 |
|1   |#18:0|employee|456 |Rohit  |6969, bighouse, Richkid, Dubai      |123      |        |1   |10000 |
|2   |#18:1|employee|103 |Pranav |399, Cyka Bliat, Butkenyudodis, Moscow|101    |        |2   |5000  |
|3   |#19:0|employee|789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat   |123      |        |1   |30000 |
|4   |#20:0|employee|101 |Rishab |2, Ram Nagar, Udaipur, Rajasthan    |         |        |2   |40000 |
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
```

5 item(s) found. Query executed in 0.002 sec(s).

orientdb {db=trial}> delete from employee where id = 456

Delete record(s) '1' in 0.030000 sec(s).

orientdb {db=trial}> select from employee

```
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|#   |@RID |@CLASS  |id  |name   |address                             |managerid|hiredate|dno |salary|
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
|0   |#17:1|employee|102 |Manav  |360, Greek Colony, Ramganj, Chattisgarh|101   |        |2   |20000 |
|1   |#18:1|employee|103 |Pranav |399, Cyka Bliat, Butkenyudodis, Moscow |101   |        |2   |5000  |
|2   |#19:0|employee|789 |Mustafa|420, Blazeit, Fam, Indore, Gujrat   |123      |        |1   |30000 |
|3   |#20:0|employee|101 |Rishab |2, Ram Nagar, Udaipur, Rajasthan    |         |        |2   |40000 |
+----+-----+--------+----+-------+------------------------------------+---------+--------+----+------+
```

4 item(s) found. Query executed in 0.003 sec(s).

Tables in NoSQL for project:

```
uncompressing file 0_3.pcl...
Database restored in 2.81 seconds
orientdb {db=screenshot}> select from player

+----+------+-------+---------+------+------+---------+----------+-----------+-----+------+-----+-----+------+
|#   |@RID  |@CLASS |kitnumber|height|weight|pref_foot|position  |apppearance|goals|rating|coach|EmpId|teamid|
+----+------+-------+---------+------+------+---------+----------+-----------+-----+------+-----+-----+------+
|0   |#17:2 |player |1        |187   |85    |right    |GK        |40         |4    |90    |al   |aa   |da    |
|1   |#17:3 |player |9        |182   |86    |right    |forward   |200        |20   |80    |ao   |ae   |da    |
|2   |#17:4 |player |3        |178   |72    |right    |defender  |109        |15   |85    |am   |ag   |db    |
|3   |#18:0 |player |23       |182   |75    |left     |defender  |30         |10   |88    |am   |ab   |da    |
|4   |#18:1 |player |25       |165   |60    |right    |GK        |120        |20   |90    |al   |af   |db    |
|5   |#18:2 |player |22       |170   |66    |left     |forward   |150        |90   |88    |an   |ah   |db    |
|6   |#19:0 |player |7        |172   |68    |right    |midfielder|38         |30   |89    |an   |ac   |da    |
|7   |#19:1 |player |11       |172   |69    |right    |forward   |148        |154  |94    |an   |ai   |db    |
|8   |#20:0 |player |10       |170   |72    |left     |forward   |400        |380  |93    |an   |ad   |da    |
|9   |#20:1 |player |18       |178   |66    |left     |midfielder|250        |10   |69    |ao   |aj   |db    |
+----+------+-------+---------+------+------+---------+----------+-----------+-----+------+-----+-----+------+

10 item(s) found. Query executed in 0.003 sec(s).
orientdb {db=screenshot}> select from manager

+----+------+--------+-----+----+------+-----------+--------+
|#   |@RID  |@CLASS  |EmpId|wins|losses|nationality|trophies|
+----+------+--------+-----+----+------+-----------+--------+
|0   |#21:1 |manager |ak   |30  |10    |indian     |10      |
|1   |#22:0 |manager |ba   |69  |20    |spanish    |30      |
+----+------+--------+-----+----+------+-----------+--------+

2 item(s) found. Query executed in 0.001 sec(s).
orientdb {db=screenshot}> select from coach

+----+------+-------+-----+-----------+-----------+------+------+
|#   |@RID  |@CLASS |EmpId|nationality|fieldOfWork|height|weight|
+----+------+-------+-----+-----------+-----------+------+------+
|0   |#25:0 |coach  |al   |indian     |goalkeeping|170   |62    |
|1   |#26:0 |coach  |am   |british    |defending  |175   |60    |
|2   |#27:0 |coach  |an   |senegalese |playmaking |160   |55    |
|3   |#28:0 |coach  |ao   |nigerian   |shooting   |190   |70    |
+----+------+-------+-----+-----------+-----------+------+------+

4 item(s) found. Query executed in 0.002 sec(s).
```

```
orientdb {db=screenshot}> select from bid

+----+------+-------+-----+-------+--------+-------+
|#   |@RID  |@CLASS |bidNo|amount |status  |manager|
+----+------+-------+-----+-------+--------+-------+
|0   |#33:0 |bid    |100  |100000 |accepted|ak     |
|1   |#34:0 |bid    |101  |9000   |rejected|ba     |
|2   |#35:0 |bid    |103  |8000000|rejected|ak     |
+----+------+-------+-----+-------+--------+-------+
```

```
orientdb {db=screenshot}> select from services

+----+------+----------+------+-------------+
|#   |@RID  |@CLASS    |EmpId |role         |
+----+------+----------+------+-------------+
|0   |#37:0 |services  |ap    |cleaner      |
|1   |#37:1 |services  |aq    |physiotherapist|
|2   |#38:0 |services  |ar    |psychiatrist |
|3   |#39:0 |services  |as    |nutritionist |
+----+------+----------+------+-------------+

4 item(s) found. Query executed in 0.002 sec(s).
orientdb {db=screenshot}> select from fixture

+----+------+---------+------+------+-----------+---------------------+
|#   |@RID  |@CLASS   |fixid |teamid|opponents  |time                 |
+----+------+---------+------+------+-----------+---------------------+
|0   |#41:0 |fixture  |200   |da    |Real Madrid|2018-10-28 21:00:00  |
|1   |#42:0 |fixture  |201   |da    |Sevilla    |2018-11-05 20:00:00  |
|2   |#43:0 |fixture  |202   |db    |Leganes    |2018-10-28 20:00:00  |
|3   |#44:0 |fixture  |203   |db    |Alaves     |2018-11-06 18:00:00  |
+----+------+---------+------+------+-----------+---------------------+

4 item(s) found. Query executed in 0.003 sec(s).
orientdb {db=screenshot}> select from ticketing

+----+------+----------+------+------+
|#   |@RID  |@CLASS    |fixId |price |
+----+------+----------+------+------+
|0   |#45:0 |ticketing |200   |800   |
|1   |#46:0 |ticketing |201   |600   |
|2   |#47:0 |ticketing |202   |100   |
|3   |#48:0 |ticketing |203   |900   |
+----+------+----------+------+------+

4 item(s) found. Query executed in 0.002 sec(s).
orientdb {db=screenshot}> select from transaction

+----+------+-----------+------+------+---------------------+---------+---------------+
|#   |@RID  |@CLASS     |Tno   |empId |date                 |amount   |description    |
+----+------+-----------+------+------+---------------------+---------+---------------+
|0   |#53:0 |transaction|10000 |at    |2018-10-16 23:34:56  |-100000  |Stadium repair |
|1   |#54:0 |transaction|10001 |av    |2018-10-04 06:09:56  |10000000 |Sponsorship    |
+----+------+-----------+------+------+---------------------+---------+---------------+

2 item(s) found. Query executed in 0.001 sec(s).
orientdb {db=screenshot}> select from finandmark

+----+------+-----------+------+----------+-----------+---------------------+----------------------+------+
|#   |@RID  |@CLASS     |EmpId |department|designation|yearofgrad           |qualification         |yog   |
+----+------+-----------+------+----------+-----------+---------------------+----------------------+------+
|0   |#49:0 |FinAndMark |at    |finance   |head       |1970-01-01 00:00:00  |MBA                   |1999  |
|1   |#49:1 |FinAndMark |au    |finance   |manager    |                     |BCom.                 |2005  |
|2   |#50:0 |FinAndMark |av    |marketing |head       |                     |MCom.                 |1996  |
|3   |#51:0 |FinAndMark |aw    |marketing |manager    |                     |Doctorate in economics|2000  |
+----+------+-----------+------+----------+-----------+---------------------+----------------------+------+

orientdb {db=screenshot}> select from boardofdir

+----+------+-----------+------+------------------+
|#   |@RID  |@CLASS     |empid |designation       |
+----+------+-----------+------+------------------+
|0   |#57:0 |BoardOfDir |ax    |President         |
|1   |#58:0 |BoardOfDir |ax    |Chairman          |
|2   |#59:0 |BoardOfDir |ax    |Sporting Director |
+----+------+-----------+------+------------------+

3 item(s) found. Query executed in 0.001 sec(s).
orientdb {db=screenshot}> select from team

+----+------+-------+------+-----------------+
|#   |@RID  |@CLASS |teamid|name             |
+----+------+-------+------+-----------------+
|0   |#61:0 |team   |da    |FC Barcelona Men |
|1   |#62:0 |team   |db    |FC Barcelona Women|
+----+------+-------+------+-----------------+
```

```
orientdb {db=screenshot}> select from employee limit 30

+----+------+---------+-------------------+------+---------+---+---------+----------------+-------+-------------------+
|#   |@RID  |@CLASS   |DOB                |EmpId |name     |sex|yearsOfExp|address        |wage   |joined             |
+----+------+---------+-------------------+------+---------+---+---------+----------------+-------+-------------------+
|0   |#29:0 |employee |1992-04-30 00:00:00|aa    |terstegen|m  |2       |502, 1_street   |100000 |2016-10-12 00:00:00|
|1   |#29:1 |employee |1987-01-24 00:00:00|ae    |suarez   |m  |8       |508, 5_street   |50000  |2015-01-30 00:00:00|
|2   |#29:2 |employee |1999-01-23 00:00:00|af    |gemma    |f  |2       |632, 33_street  |1000   |2017-01-10 00:00:00|
|3   |#29:3 |employee |1992-01-16 00:00:00|ah    |martens  |f  |5       |467, 2_street   |50000  |2014-01-23 00:00:00|
|4   |#29:4 |employee |1977-01-27 00:00:00|ba    |sanchez  |m  |18      |321, 4_street   |50000  |2017-01-14 00:00:00|
|5   |#29:5 |employee |1967-01-17 00:00:00|al    |mustafa  |m  |13      |711, 1_street   |10000  |2013-01-15 00:00:00|
|6   |#29:6 |employee |1990-01-14 00:00:00|ap    |melissa  |f  |5       |477, 4_street   |7000   |2015-01-10 00:00:00|
|7   |#29:7 |employee |1991-01-27 00:00:00|ar    |amy      |f  |3       |137, 6_street   |18000  |2017-01-20 00:00:00|
|8   |#29:8 |employee |1972-01-19 00:00:00|av    |lily     |f  |7       |113, 3_street   |80000  |2014-01-11 00:00:00|
|9   |#29:9 |employee |1980-01-15 00:00:00|az    |abidal   |m  |3       |193, 8_street   |100000 |2018-01-01 00:00:00|
|10  |#30:0 |employee |1993-11-14 00:00:00|ab    |umtiti   |m  |1       |501, 2_street   |120000 |2017-01-15 00:00:00|
|11  |#30:1 |employee |1992-01-16 00:00:00|ag    |gragt    |f  |4       |212, 3_street   |10000  |2015-01-24 00:00:00|
|12  |#30:2 |employee |1994-01-04 00:00:00|ai    |alexia   |f  |3       |401, 4_street   |60000  |2015-01-21 00:00:00|
|13  |#30:3 |employee |1988-01-30 00:00:00|am    |krishna  |m  |10      |400, 2_street   |20000  |2010-01-25 00:00:00|
|14  |#30:4 |employee |1995-01-14 00:00:00|aq    |howard   |m  |2       |127, 5_street   |10000  |2016-01-10 00:00:00|
|15  |#30:5 |employee |1989-01-17 00:00:00|as    |brock    |m  |4       |246, 3_street   |20000  |2015-01-20 00:00:00|
|16  |#30:6 |employee |1980-01-24 00:00:00|aw    |james    |m  |4       |273, 4_street   |50000  |2015-01-31 00:00:00|
|17  |#31:0 |employee |1992-06-12 00:00:00|ac    |coutinho |m  |3       |504, 3_street   |150000 |2016-01-23 00:00:00|
|18  |#31:1 |employee |1994-01-04 00:00:00|aj    |hamraoui |f  |3       |401, 4_street   |70000  |2016-01-13 00:00:00|
|19  |#31:2 |employee |1985-01-02 00:00:00|an    |rishabh  |m  |5       |300, 6_street   |5000   |2015-01-22 00:00:00|
|20  |#31:3 |employee |1979-01-19 00:00:00|at    |mark     |m  |5       |244, 2_street   |20000  |2016-01-20 00:00:00|
|21  |#31:4 |employee |1970-01-14 00:00:00|ax    |bartomeu |m  |15      |193, 1_street   |1000000|2010-01-19 00:00:00|
|22  |#32:0 |employee |1987-06-24 00:00:00|ad    |messi    |m  |10      |506, 4_street   |250000 |2012-01-20 00:00:00|
|23  |#32:1 |employee |1964-01-09 00:00:00|ak    |valverde |m  |15      |401, 4_street   |1000000|2017-01-14 00:00:00|
|24  |#32:2 |employee |1980-01-02 00:00:00|ao    |mohit    |m  |7       |200, 7_street   |4000   |2014-01-12 00:00:00|
|25  |#32:3 |employee |1982-01-29 00:00:00|au    |rebecca  |f  |6       |213, 9_street   |50000  |2015-01-01 00:00:00|
|26  |#32:4 |employee |1978-01-27 00:00:00|ax    |rosa     |f  |10      |193, 1_street   |500000 |2012-01-09 00:00:00|
+----+------+---------+-------------------+------+---------+---+---------+----------------+-------+-------------------+

27 item(s) found. Query executed in 0.004 sec(s).
orientdb {db=screenshot}>
```

Testing Database connection with Frontend using Python

1)

2)

3)

Hello system,
What would you like to do?
1. ADD
2. MODIFY
3. LIST
4. VIEW
5. DELETE
6. SEARCH
Functions imported: 2,3 and 6
Choice: [   ]
[Submit]

Back to login

4)

Hello system,
What would you like to do?
1. ADD
2. MODIFY
3. LIST
4. VIEW
5. DELETE
6. SEARCH
Functions imported: 2,3 and 6
Choice: [2   ]
[Submit]

Back to login

5)

Column Nmae: [   ]
New data type: [   ]
Table Name: [   ]
  [Submit]

```
SQL> desc works_on;
Name                                      Null?    Type
----------------------------------------- -------- -----------------------------
EMP_SSN                                             CHAR(9)
PRJ_NO                                              NUMBER(5)
HOURS                                      NOT NULL NUMBER(3,1)
```

We will change column Name data type from number(5) to number(8)

6)

Column Nmae: [prj_no   ]
New data type: [number(8)   ]
Table Name: [works_on   ]
  [Submit]

7)
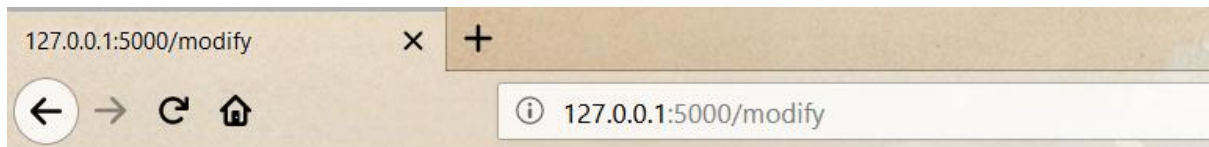
Success

We see that it has updated

```
SQL> desc works_on;
 Name                                      Null?    Type
 ----------------------------------------- -------- ----------------------------
 EMP_SSN                                             CHAR(9)
 PRJ_NO                                              NUMBER(8)
 HOURS                                      NOT NULL NUMBER(3,1)
```

8)

Hello system,
What would you like to do?
1. ADD
2. MODIFY
3. LIST
4. VIEW
5. DELETE
6. SEARCH
Functions imported: 2,3 and 6
Choice: 3
Submit

Back to login

9)

127.0.0.1:5000/choice   ×   +

① 127.0.0.1:5000/choice

Table Name: [   ]
Column Nmae: [   ]
 Submit

10)

127.0.0.1:5000/choice   ×   +

① 127.0.0.1:5000/choice

Table Name: [works_on   ]
Column Nmae: [emp_ssn   ]
 Submit

11)

```
127.0.0.1:5000/list          ×   +

← → C ⌂                ⓘ  127.0.0.1:5000/list

123456789
123456789
666884444
554433221
453453453
453453453
999887777
999887777
543216789
```

Just as depicted in the nosql


```
SQL> select emp_ssn from works_on;

EMP_SSN
---------
123456789
123456789
666884444
554433221
453453453
453453453
999887777
999887777
543216789

9 rows selected.
```

12)

127.0.0.1:5000/login × +

← → C ⌂   ⓘ 127.0.0.1:5000/login

Hello system,
What would you like to do?
1. ADD
2. MODIFY
3. LIST
4. VIEW
5. DELETE
6. SEARCH
Functions imported: 2,3 and 6
Choice: 6
Submit

Back to login

13)

127.0.0.1:5000/choice × +

← → C ⌂   ⓘ 127.0.0.1:5000/choice
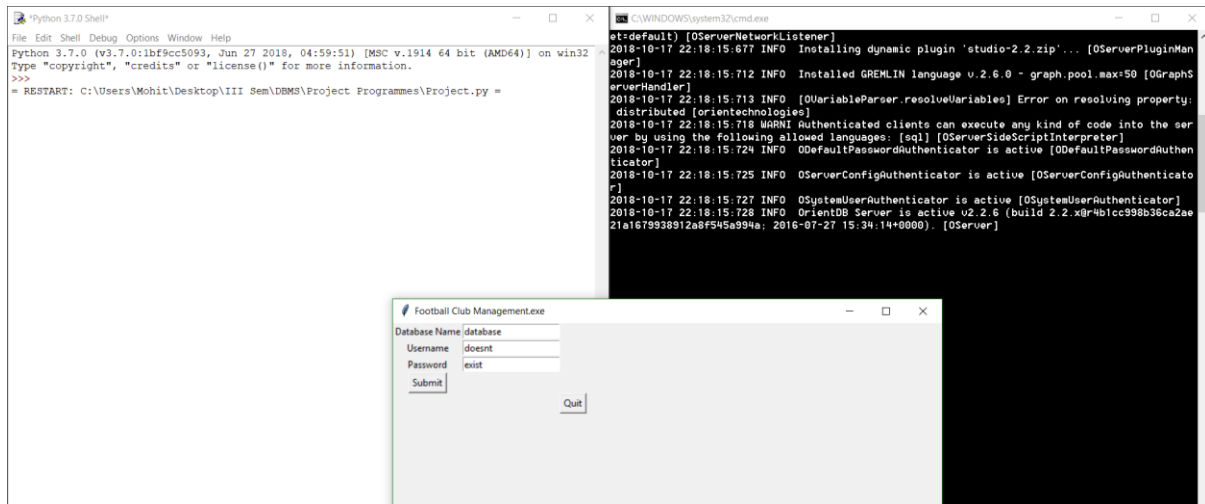
Table Name: works_on
Enter search value: 123456789
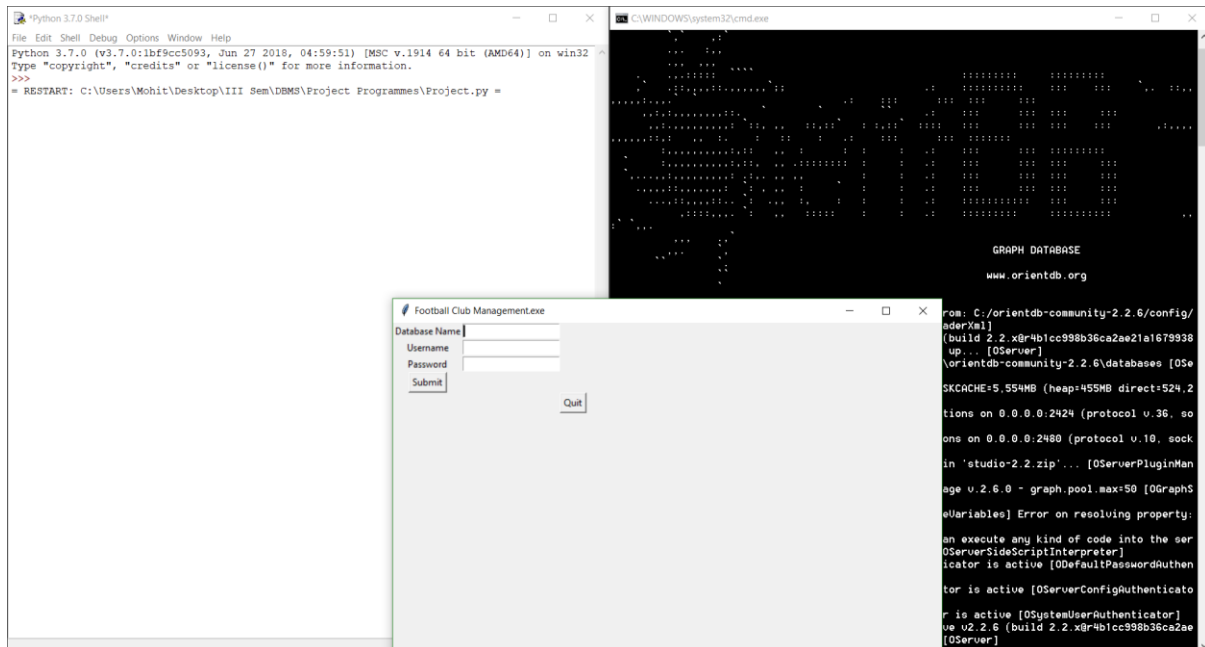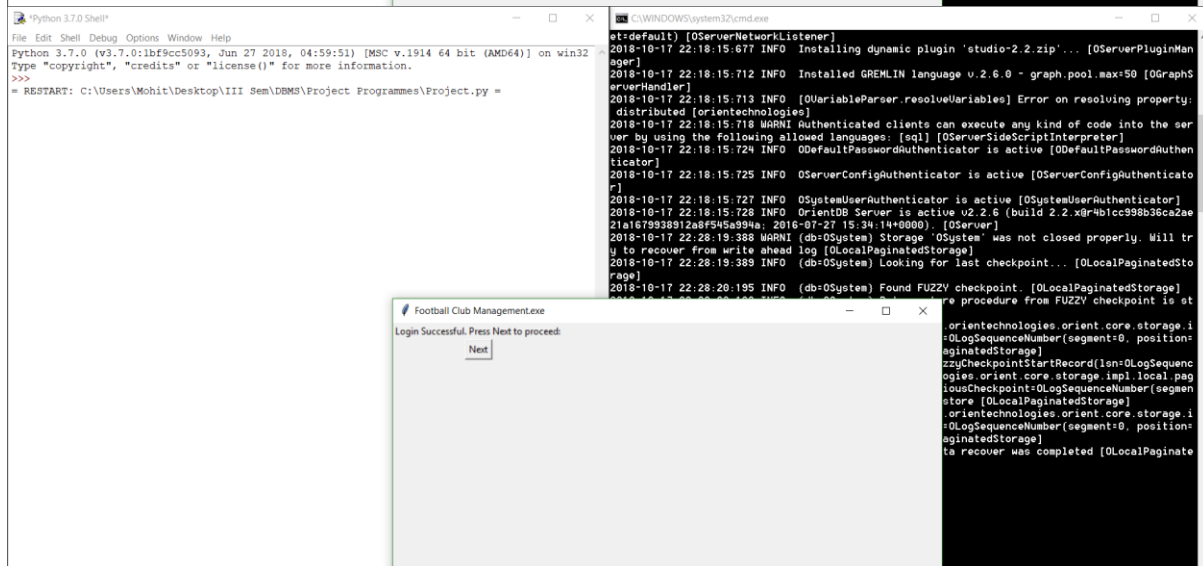Submit

14)

127.0.0.1:5000/search × +

← → C ⌂   ⓘ 127.0.0.1:5000/search

Found Here: ('123456789', 1945, 7.5)

Pyorient &

Tkinter
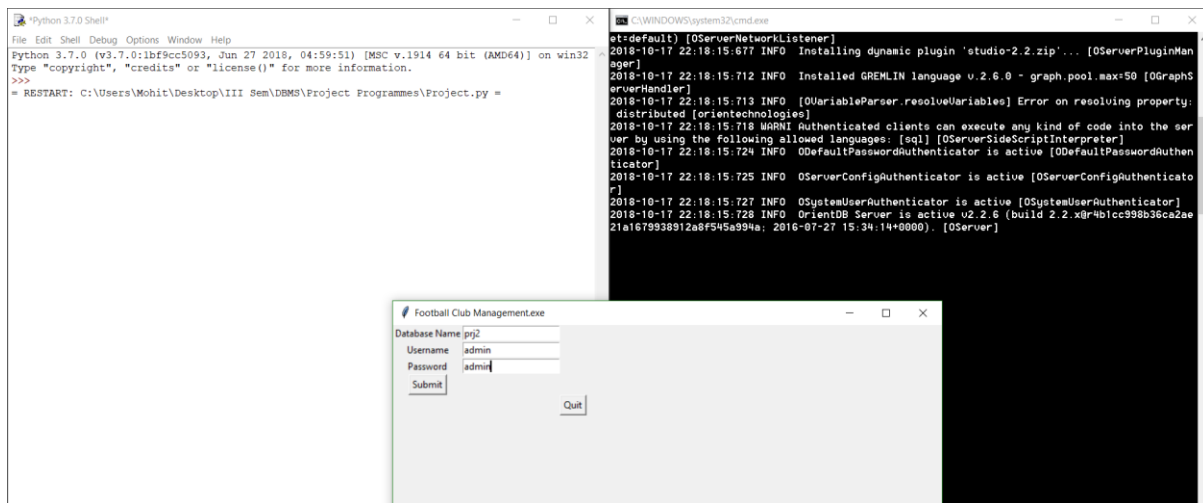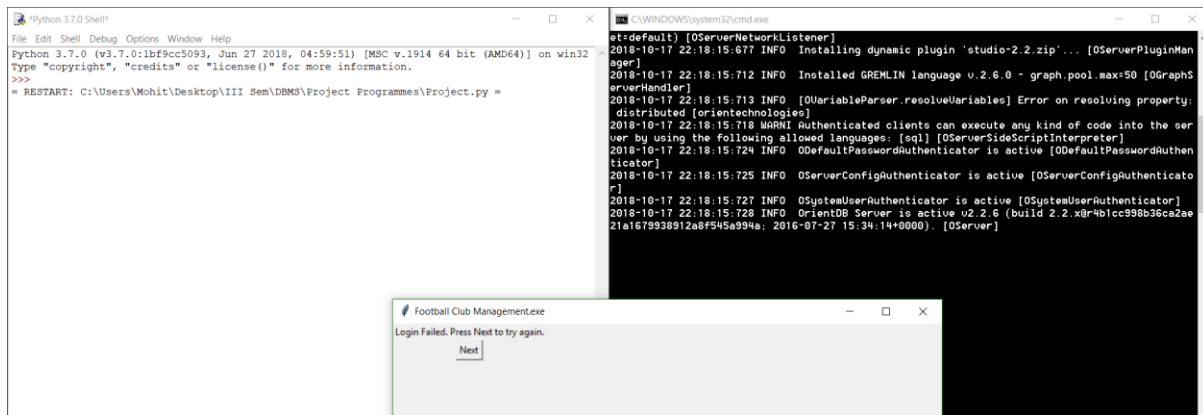
Python 3.7.0 Shell

```
Python 3.7.0 (v3.7.0:1bf9cc5093, Jun 27 2018, 04:59:51) [MSC v.1914 64 bit (AMD64)] on win32
Type "copyright", "credits" or "license()" for more information.
>>>
= RESTART: C:\Users\Mohit\Desktop\III Sem\DBMS\Project Programmes\Project.py =
>>>
```

C:\WINDOWS\system32\cmd.exe

```
et=default) [OServerNetworkListener]
2018-10-17 22:18:15:677 INFO  Installing dynamic plugin 'studio-2.2.zip'... [OServerPluginMan
ager]
2018-10-17 22:18:15:712 INFO  Installed GREMLIN language v.2.6.0 - graph.pool.max=50 [OGraphS
erverHandler]
2018-10-17 22:18:15:713 INFO  [OVariableParser.resolveVariables] Error on resolving property:
 distributed [orientechnologies]
2018-10-17 22:18:15:718 WARNI Authenticated clients can execute any kind of code into the ser
ver by using the following allowed languages: [sql] [OServerSideScriptInterpreter]
2018-10-17 22:18:15:724 INFO  ODefaultPasswordAuthenticator is active [ODefaultPasswordAuthen
ticator]
2018-10-17 22:18:15:725 INFO  OServerConfigAuthenticator is active [OServerConfigAuthenticato
r]
2018-10-17 22:18:15:727 INFO  OSystemUserAuthenticator is active [OSystemUserAuthenticator]
2018-10-17 22:18:15:728 INFO  OrientDB Server is active v2.2.6 (build 2.2.x@r4b1cc998b36ca2ae
21a1679938912a8f545a994a; 2016-07-27 15:34:14+0000). [OServer]
2018-10-17 22:28:19:388 WARNI (db=OSystem) Storage 'OSystem' was not closed properly. Will tr
y to recover from write ahead log [OLocalPaginatedStorage]
2018-10-17 22:28:19:389 INFO  (db=OSystem) Looking for last checkpoint... [OLocalPaginatedSto
rage]
2018-10-17 22:28:20:195 INFO  (db=OSystem) Found FUZZY checkpoint. [OLocalPaginatedStorage]
                                          re procedure from FUZZY checkpoint is st
                                          .orientechnologies.orient.core.storage.i
                                          =OLogSequenceNumber(segment=0, position=
                                          aginatedStorage]
                                          zzyCheckpointStartRecord(lsn=OLogSequenc
                                          ogies.orient.core.storage.impl.local.pag
                                          iousCheckpoint=OLogSequenceNumber(segmen
                                          store [OLocalPaginatedStorage]
                                          .orientechnologies.orient.core.storage.i
                                          =OLogSequenceNumber(segment=0, position=
                                          aginatedStorage]
                                          ta recover was completed [OLocalPaginate
```

Football Club Management.exe

What table would you like to work with?
Click on List to view the tables available.

Table Name: [ ]

List   Next

Football Club Management - LIST

finandmark	employee_2	ticketing	ticketing_3
services_2	boardofdir_3	transaction_1	transaction
transaction_3	default	boardofdir_2	bid_2
e	v_2	employee_3	ticketing_1
boardofdir	team_2	player_3	team_1
bid_1	transaction_2	services_3	ouser
player	ticketing_2	v	manager_2
bid_3	team_3	fixture_3	team
finandmark_2	v_1	e_2	
coach	e_1	services_1	
finandmark_3	coach_3	player_1	
fixture_1	manager_1	manager	
index	manindex	osequence	
coach_2	employee_1	player_2	
services	bid	internal	
manager_3	employee	ofunction	
finandmark_1	boardofdir_1	coach_1	
orole	oschedule	fixture	
v_3	e_3	fixture_2	

Back

Football Club Management.exe

What table would you like to work with?
Click on List to view the tables available.

Table Name: [ ]

List   Next

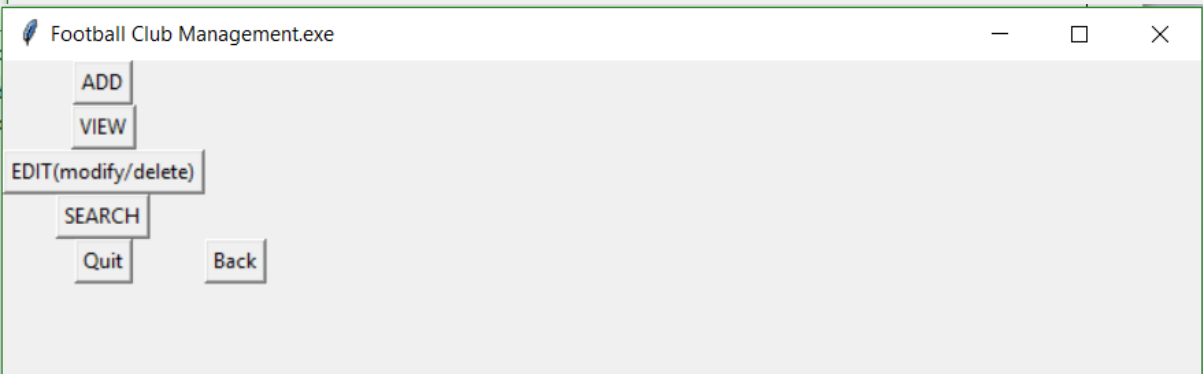## Football Club Management.exe — □ ×

What table would you like to work with?
Click on List to view the tables available.

Table Name:　　　player

List　　　　　　　Next

Football Club Management.exe — □ ×

ADD

VIEW

EDIT(modify/delete)

SEARCH

Quit　　Back
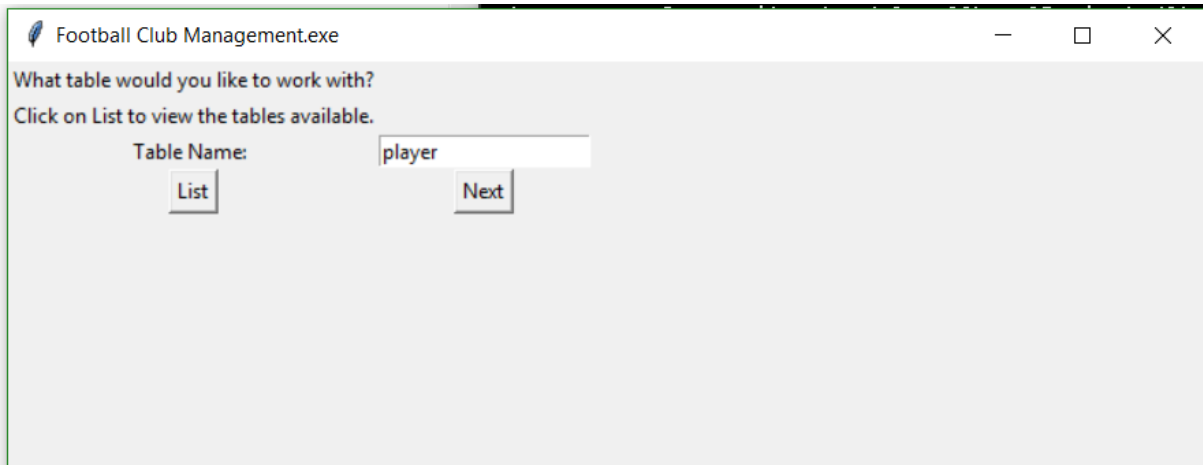
Football Club Management - ADD

Field	Value
kitnumber	
height	
weight	
pref_foot	
position	
apppearance	
goals	
rating	
coach	
EmpId	
teamid	

Back | Submit

Football Club Management - ADD

Field	Value
kitnumber	11
height	175
weight	71
pref_foot	right
position	forward
apppearance	42
goals	10
rating	87
coach	al
EmpId	1100
teamid	da

Back | Submit

Football Club Management - ADD

Added Successfully

Continue

Football Club Management - VIEW

kitnumber	height	weight	pref_foot	position	apppearance	goals	rating	coach	EmpId	teamid
1	187	85	right	GK	40	4	90	al	aa	da
9	182	86	right	forward	200	20	80	ao	ae	da
3	178	72	right	defender	109	15	85	am	ag	db
11	175	71	right	forward	42	10	87	al	1100	da
23	182	75	left	defender	30	10	88	am	ab	da
25	165	60	right	GK	120	20	90	al	af	db
22	170	66	left	forward	150	90	88	an	ah	db
7	172	68	right	midfielder	38	30	89	an	ac	da
11	172	69	right	forward	148	154	94	an	ai	db
10	170	72	left	forward	400	380	93	an	ad	da
18	178	66	left	midfielder	250	10	69	ao	aj	db

Back

added using 'Add'

Football Club Management - EDIT(modify/delete

kitnumber	height	weight	pref_foot	position	apppearance	goals	rating	coach	EmpId	teamid		
1	187	85	right	GK	40	4	90	al	aa	da	Modify	Delete
9	182	86	right	forward	200	20	80	ao	ae	da	Modify	Delete
3	178	72	right	defender	109	15	85	am	ag	db	Modify	Delete
11	175	71	right	forward	42	10	87	al	1100	da	Modify	Delete
23	182	75	left	defender	30	10	88	am	ab	da	Modify	Delete
25	165	60	right	GK	120	20	90	al	af	db	Modify	Delete
22	170	66	left	forward	150	90	88	an	ah	db	Modify	Delete
7	172	68	right	midfielder	38	30	89	an	ac	da	Modify	Delete
11	172	69	right	forward	148	154	94	an	ai	db	Modify	Delete
10	170	72	left	forward	400	380	93	an	ad	da	Modify	Delete
18	178	66	left	midfielder	250	10	69	ao	aj	db	Modify	Delete

Back

Football Club Management - EDIT(modify/delete

Record Successfully Deleted.

Click VIEW to view updated table or back to go back to menu   VIEW   Back

First record is deleted

Football Club Management - EDIT(modify/delete)

kitnumber	height	weight	pref_foot	position	apppearance	goals	rating	coach	EmpId	teamid		
9	182	86	right	forward	200	20	80	ao	ae	da	Modify	Delete
3	178	72	right	defender	109	15	85	am	ag	db	Modify	Delete
11	175	71	right	forward	42	10	87	al	1100	da	Modify	Delete
23	182	75	left	defender	30	10	88	am	ab	da	Modify	Delete
25	165	60	right	GK	120	20	90	al	af	db	Modify	Delete
22	170	66	left	forward	150	90	88	an	ah	db	Modify	Delete
7	172	68	right	midfielder	38	30	89	an	ac	da	Modify	Delete
11	172	69	right	forward	148	154	94	an	ai	db	Modify	Delete
10	170	72	left	forward	400	380	93	an	ad	da	Modify	Delete
18	178	66	left	midfielder	250	10	69	ao	aj	db	Modify	Delete

Back

Football Club Management - EDIT(modify/delete)

kitnumber	height	weight	pref_foot	position	apppearance	goals	rating	coach	EmpId	teamid
11	175	71	right	forward	42	10	87	al	1100	da

Back   Submit

Football Club Management - EDIT(modify/delete)

kitnumber	height	weight	pref_foot	position	apppearance	goals	rating	coach	EmpId	teamid
11	175	71	right	forward	42	10	87	al	1100	da

Back   Submit

Football Club Management - VIEW

kitnumber	height	weight	pref_foot	position	apppearance	goals	rating	coach	EmpId	teamid
9	182	86	right	forward	200	20	80	ao	ae	da
3	178	72	right	defender	109	15	85	am	ag	db
11	175	71	right	forward	42	10	87	al	xs	da
23	182	75	left	defender	30	10	88	am	ab	da
25	165	60	right	GK	120	20	90	al	af	db
22	170	66	left	forward	150	90	88	an	ah	db
7	172	68	right	midfielder	38	30	89	an	ac	da
11	172	69	right	forward	148	154	94	an	ai	db
10	170	72	left	forward	400	380	93	an	ad	da
18	178	66	left	midfielder	250	10	69	ao	aj	db

Back

Football Club Management - SEARCH

Enter the item to search in the table

Search

Back

Football Club Management - SEARCH — □ ×

Enter the item to search in the table `forward`

Search

Back

Football Club Management - SEARCH

{'kitnumber': 9, 'height': 182, 'weight': 86, 'pref_foot': 'right', 'position Search entry not found :': 200, 'goals': 20, 'rating': 80, 'coach': 'ao', 'Empld': 'ae', 'teamid': 'da'}
 {'kitnumber': 11, 'height': 175, 'weight': 71, 'pref_foot': 'right', 'position': 'forward', 'apppearance': 42, 'goals': 10, 'rating': 87, 'coach': 'al', 'Empld': 'xs', 'teamid': 'da'}
 {'kitnumber': 22, 'height': 170, 'weight': 66, 'pref_foot': 'left', 'position': 'forward', 'apppearance': 150, 'goals': 90, 'rating': 88, 'coach': 'an', 'Empld': 'ah', 'teamid': 'db'}
{'kitnumber': 11, 'height': 172, 'weight': 69, 'pref_foot': 'right', 'position': 'forward', 'apppearance': 148, 'goals': 154, 'rating': 94, 'coach': 'an', 'Empld': 'ai', 'teamid': 'db'}
{'kitnumber': 10, 'height': 170, 'weight': 72, 'pref_foot': 'left', 'position': 'forward', 'apppearance': 400, 'goals': 380, 'rating': 93, 'coach': 'an', 'Empld': 'ad', 'teamid': 'da'}

Back