

**Class:** Third Year (Computer Science and Engineering)

**Year:** 2020-21

**Semester:** 2

**Course:** Advanced Web and Mobile Application Development Lab (4CS381)

## Practical No. 4

**Exam Seat No:**

1. 2018BTECS00021- Abhay Shirale

### Problem Statement 1:

s PC > Windows (C:) > ProgramData > Microsoft > Windows > Start Menu > Programs > MySQL

| Name                        | Date modified       | Type        | Size |
|-----------------------------|---------------------|-------------|------|
| MySQL Connector Net 8.0.23  | 06-03-2021 09:07 AM | File folder |      |
| MySQL Installer - Community | 06-03-2021 08:59 AM | File folder |      |
| MySQL Server 8.0            | 06-03-2021 09:01 AM | File folder |      |
| MySQL Shell                 | 06-03-2021 09:06 AM | Shortcut    | 2 KB |
| MySQL Workbench 8.0 CE      | 06-03-2021 09:02 AM | Shortcut    | 3 KB |



### Startup / Shutdown MySQL Server

The database server is started and ready for client connections. To shut the server down, use the "Stop Server" button

The database server instance is **running**

Stop Server

Bring Offline

If you stop the server, neither you nor your applications can use the database and all current connections will be closed.

### Startup Message Log

2021-03-28 17:37:55 - Workbench will use cmd shell commands to start/stop this instance  
2021-03-28 17:37:55 - Server is running

```
Windows PowerShell
Copyright (C) Microsoft Corporation. All rights reserved.

Try the new cross-platform PowerShell https://aka.ms/pscore6

PS C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 1> npm i mysql

added 11 packages, and audited 12 packages in 9s

found 0 vulnerabilities
PS C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 1>
```

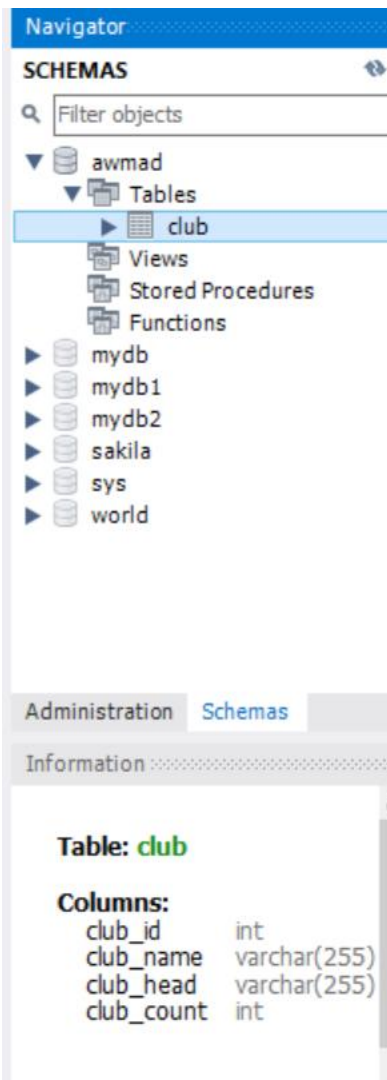
**Problem statement 2:**

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL
PS C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 2> node myconn.js
Connected!
Database created
█

var mysql = require('mysql');

var con = mysql.createConnection({
  host: "127.0.0.1",
  user: "root",
  password: "abhay123"
});

con.connect(function(err) {
  if (err) throw err;
  console.log("Connected!");
  con.query("CREATE DATABASE AWMAD", function (err, result) {
    if (err) throw err;
    console.log("Database created");
  });
});
```



```
}  
PS C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 2> node mytable.js  
Connected!  
Table created  
PS C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 2> node insertTable.js  
Connected!  
Number of records inserted: 4
```

```
PS 2 > JS retrival.js > [E] con > database
1  var mysql = require('mysql');
2
3  var con = mysql.createConnection({
4    host: "localhost",
5    user: "root",
6    password: "abhay123",
7    database: "AWMAD"
8  });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   con.query("SELECT * FROM CLUB", function (err, result, fields) {
13     if (err) throw err;
14     console.log(result);
15   });
16 });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 2> node retrival.js
[
  RowDataPacket {
    club_id: 1,
    club_name: 'WLUG',
    club_head: 'HASABE Y',
    club_count: 80
  },
  RowDataPacket {
    club_id: 2,
    club_name: 'ACSES',
    club_head: 'SAWAJI S',
    club_count: 80
  },
  RowDataPacket {
    club_id: 3,
    club_name: 'SAIT',
    club_head: 'BISEN B',
    club_count: 80
  },
  RowDataPacket {
    club_id: 4,
    club_name: 'PACE',
    club_head: 'DESHMUKH S',
    club_count: 80
  }
]
```

```
S 2 > JS retrival2.js > con.connect() callback
1  var mysql = require('mysql');
2
3  var con = mysql.createConnection({
4    host: "localhost",
5    user: "root",
6    password: "abhay123",
7    database: "AWMAD"
8  });
9
10 con.connect(function(err) {
11   if (err) throw err;
12   con.query("SELECT * FROM CLUB where club_id='2'", function (err, result, fields) {
13     if (err) throw err;
14     console.log(result);
15   });
16 });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

```
PS C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 2> node retrival2.js
[
  RowDataPacket {
    club_id: 2,
    club_name: 'ACSES',
    club_head: 'SAWAJI S',
    club_count: 80
  }
]
```

```
2 > JS retrival3.js > con.connect() callback
1   var mysql = require('mysql');
2
3   var con = mysql.createConnection({
4     host: "localhost",
5     user: "root",
6     password: "abhay123",
7     database: "AWMAD"
8   });
9
10  con.connect(function(err) {
11    if (err) throw err;
12    con.query("SELECT * FROM CLUB order by club_name", function (err, result, fields) {
13      if (err) throw err;
14      console.log(result);
15    });
16  });
```

PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL

S C:\Users\abhay\Desktop\Sem 6\AWMAD\4\PS 2> node retrival3.js

```
RowDataPacket {
  club_id: 2,
  club_name: 'ACSES',
  club_head: 'SAWAJI S',
  club_count: 80
},
RowDataPacket {
  club_id: 4,
  club_name: 'PACE',
  club_head: 'DESHMUKH S',
  club_count: 80
},
RowDataPacket {
  club_id: 3,
  club_name: 'SAIT',
  club_head: 'BISEN B',
  club_count: 80
},
RowDataPacket {
  club_id: 1,
  club_name: 'WLUG',
  club_head: 'HASABE Y',
  club_count: 80
}
```