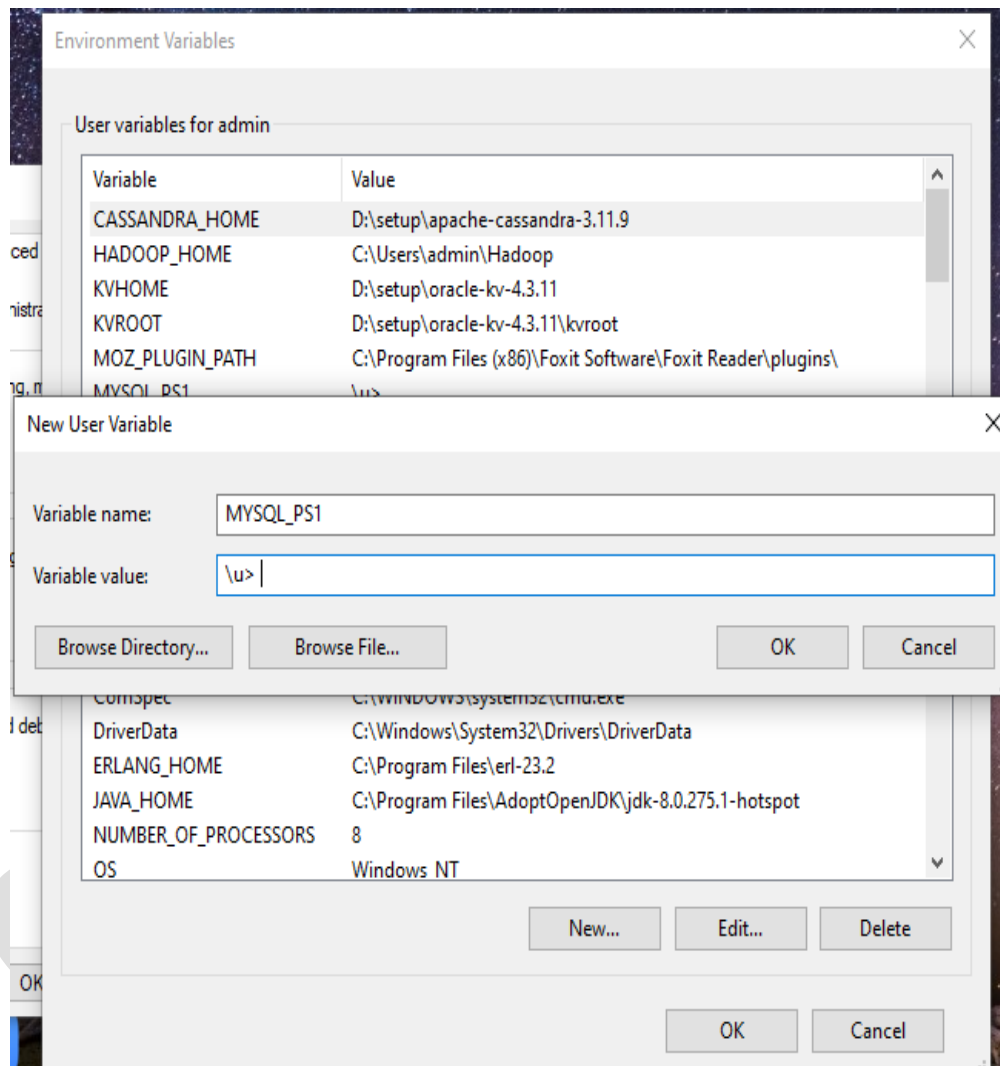


Database Technologies – Assignment 1

1. Create user with your roll number and group name. If your roll number is **12345** and group is **d1**, then username should be **d1_12345**. Give ALL privileges to this user for all databases created. You are expected to use this user for completing all further assignments.
2. Create an environment variable by name **MYSQL_PS1** and set it to **\u>** . Now start MySQL client CLI and you should see your username in prompt instead of **mysql>** .



Database Technologies – Assignment 1

3. Create 'spj' database & grant all permissions to your username (created in Q.1).
4. Create following tables in 'spj' database. (This assignment is to practice INSERT queries).

```
CREAT TABLE S (S# CHAR(5), Sname CHAR(20), Status INT, City CHAR(15));
```

| S# | Sname | Status | City |
|----|-------|--------|--------|
| S1 | Smith | 20 | London |
| S2 | Jones | 10 | Paris |
| S3 | Blake | 30 | Paris |
| S4 | Clark | 20 | London |
| S5 | Adams | 30 | Athens |

```
CREATE TABLE P (P# CHAR(6), Pname CHAR(20), Color CHAR(6), Weight INT , CITY CHAR(15));
```

| P# | Pname | Color | Weight | City |
|----|-------|-------|--------|--------|
| P1 | Nut | Red | 12 | London |
| P2 | Bolt | Green | 17 | Paris |
| P3 | Screw | Blue | 17 | Rome |
| P4 | Screw | Red | 14 | London |
| P5 | Cam | Blue | 12 | Paris |
| P6 | Cog | Red | 19 | London |

```
CREATE TABLE J (J# CHAR(4), Jname CHAR(10), Jname CHAR(10), City CHAR(15));
```

| J# | Jname | City |
|----|----------|--------|
| J1 | Sorter | Paris |
| J2 | Punch | Rome |
| J3 | Reader | Athens |
| J4 | Console | Athens |
| J5 | Collator | London |
| J6 | Terminal | Oslo |
| J7 | Tape | London |

Database Technologies – Assignment 1

CREATE TABLE sp (S# CHAR(4), P# CHAR(4), J# CHAR(4), QTY INT);

| S# | P# | J# | QTY |
|----|----|----|-----|
|----|----|----|-----|

| | | | |
|----|----|----|-----|
| S1 | P1 | J1 | 200 |
| S1 | P1 | J4 | 700 |
| S2 | P3 | J1 | 400 |
| S2 | P3 | J2 | 200 |
| S2 | P3 | J3 | 200 |
| S2 | P3 | J4 | 500 |
| S2 | P3 | J5 | 600 |
| S2 | P3 | J6 | 400 |
| S2 | P3 | J7 | 800 |
| S2 | P5 | J2 | 100 |
| S3 | P3 | J1 | 200 |
| S3 | P4 | J2 | 500 |
| S4 | P6 | J3 | 300 |
| S4 | P6 | J7 | 300 |
| S5 | P2 | J2 | 200 |
| S5 | P2 | J4 | 100 |
| S5 | P5 | J5 | 500 |
| S5 | P5 | J7 | 100 |
| S5 | P6 | J2 | 200 |
| S5 | P1 | J4 | 100 |
| S5 | P3 | J4 | 200 |
| S5 | P4 | J4 | 800 |
| S5 | P5 | J4 | 400 |
| S5 | P6 | J4 | 500 |