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HowTo: Use Oracle / MySQL SQL Commands In UNIX Shell Scripts

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How do I call Oracle or MySQL sql statements in UNIX / Linux shell scripts?

You need to use a [here document](#) ^[2] feature supported by sh / bash or ksh. The syntax is as follows:



[1]

MySQL: Use SQL Directly In Shell Scripts

```
#!/bin/sh
user="dbuser"
pass="dbpassword"
db="dbnme"
mysql -u "$user" -p"$pass" "$db" <<EOF
    sql-statement-1;
    sql-statement-2;
EOF
```

Using Shell Variables In SQL

```
#!/bin/sh
user="dbuser"
pass="dbpassword"
db="dbnme"
sql="select * from tal_name"
mysql -u "$user" -p"$pass" <<EOF
    use $db;
    $sql;
EOF
```

Oracle: Use SQL Directly In Shell Scripts

```
#!/bin/sh
user="system"
pass="manager"
sqlplus -S $user/$pass <<EOF
    sql-statement-1;
    sql-statement-2;
    exit;
EOF
```

Using Shell Variables In SQL

```
#!/bin/sh
user="system"
pass="manager"
var="$1"
sqlplus -S $user/$pass <<EOF
    SELECT * FROM tableName WHERE username=$var;
    exit;
EOF
```

You can call sql statements from .sql file itself as follows:

```
#!/bin/ksh
sqlplus -S system/manager @my_sql_script.sql
```

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[1] Image: <http://www.cyberciti.biz/faq/category/bash-shell/>

[2] here document: http://bash.cyberciti.biz/guide/Here_documents

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