

**EX.NO:12**

**DATE:**

## **Database Connectivity using PYTHON and MYSQL**

Aim:

Write a simple exercise in Python and establish connection with MySql database

Procedure:

### **Running Python:**

#### 1. Write a Hello World Python Program

```
$ vim helloworld.py
#!/usr/bin/python
# Hello world python program
print "Hello World!";
```

#### 2. Verify Python Interpreter Availability

Make sure python interpreter is installed on your system as shown below.

```
$ whereis python
```

```
python: /usr/bin/python /usr/bin/python2.5 /usr/bin/python2.6 /etc/python
/etc/python2.5 /etc/python2.6 /usr/lib/python2.4 /usr/lib/python3.0
/usr/lib/python2.5 /usr/lib/python2.6 /usr/local/lib/python2.5
/usr/local/lib/python2.6 /usr/include/python2.5 /usr/include/python2.6
/usr/share/python /usr/share/man/man1/python.1.gz
```

```
$ which python
```

```
/usr/bin/python
```

### 3. Execute Python Program

You can either execute using “python helloworld.py” or “./helloworld.py”.

```
$ python helloworld.py
```

```
Hello World!
```

( or )

```
$ chmod u+x helloworld.py
```

```
$ ./helloworld.py
```

```
Hello World!
```

**Note:** As python is an interpreted language, you don't have the compilation step similar to the C program.

check whether package MySQL-python available then we will be able to do.

```
[fossilab@fossilab ~]$ rpm -q MySQL-python
```

```
MySQL-python-1.2.3-0.5.c1.fc14.i686
```

```
#!/usr/bin/python
print "Hello"
import MySQLdb
con=MySQLdb.connect('localhost','root','','cse')
cursor=con.cursor()
cursor.execute("create table s(sno int,sname varchar(50))")
cursor.execute("insert into s values(234234,'dsfdf')")
cursor.execute("select * from s")
num=cursor.rowcount()
rows=cursor.fetchone()
print rows
or
rows=cursor.fetchall()
for row in rows:
print row

or
while(1):
```

```
row=cursor.fetchone()
if row==None:
    break
print "%d,%s" %(row[0],row[1])
con.close()
```

RESULT:

Thus the program to implement the database connectivity using Python was done successfully.