



```
_sha256      dbm          pick          turtledemo
_sha3        decimal     pickle        types
_sha512      demo         pickletools   typing
_signal      difflib      pip           unicodedata
_sitebuiltin dis        pipes         unittest
_socket      distutils    pkg_resources unpick
_sqlite3     doctest     pkgutil       update
_sre         dummy_threading platform      urllib
_ssl         durgamath    plistlib      uu
_stat        easy_install polymorph     uuid
.....
```

App1: Program to connect with Oracle database and print its version.

```
1) import cx_Oracle
2) con=cx_Oracle.connect('scott/tiger@localhost')
3) print(con.version)
4) con.close()
```

Output:

```
D:\python_classes>py db1.py
11.2.0.2.0
```

App2: Write a Program to create employees table in the oracle database : employees(eno,ename,esal,eaddr)

```
1) import cx_Oracle
2) try:
3)     con=cx_Oracle.connect('scott/tiger@localhost')
4)     cursor=con.cursor()
5)     cursor.execute("create table employees(eno number,ename varchar2(10),esal number(10,2),eaddr varchar2(10))")
6)     print("Table created successfully")
7) except cx_Oracle.DatabaseError as e:
8)     if con:
9)         con.rollback()
10)        print("There is a problem with sql",e)
11) finally:
12)     if cursor:
13)         cursor.close()
14)     if con:
15)         con.close()
```

App3: Write a program to drop employees table from oracle database?

```
1) import cx_Oracle
2) try:
3)     con=cx_Oracle.connect('scott/tiger@localhost')
4)     cursor=con.cursor()
5)     cursor.execute("drop table employees")
6)     print("Table dropped successfully")
7) except cx_Oracle.DatabaseError as e:
8)     if con:
9)         con.rollback()
10)        print("There is a problem with sql",e)
11) finally:
12)     if cursor:
13)         cursor.close()
14)     if con:
15)         con.close()
```

App3: Write a program to insert a single row in the employees table.