```
# First drop the table INSTRUCTOR in case it exists from a previous attempt
dropQuery = "drop table INSTRUCTOR"

# Now execute the drop statement
dropStmt = ibm_db.exec_immediate(conn, dropQuery)

# Construct the query and insert the first row of data for Instructor Rav
insertQuery = "insert into INSTRUCTOR values (1, 'Rav', 'Ahuja', 'TORONTO', 'CA')"

# Execute the insert statement
insertStmt = ibm_db.exec_immediate(conn, insertQuery)

# Construct the query that retrieves all rows from the INSTRUCTOR table
selectQuery = "select * from INSTRUCTOR"

# Execute the statement
selectStmt = ibm_db.exec_immediate(conn, selectQuery)

# Fetch the Dictionary (for the first row only)
ibm_db.fetch_both(selectStmt)

# Output:
{'ID': 1,
 0: 1, 'FNAME': 'Rav',
 1: 'Rav', 'LNAME': 'Ahuja',
 2: 'Ahuja', 'CITY': 'TORONTO',
 3: 'TORONTO', 'CCODE': 'CA',
 4: 'CA'}

# Fetch the rest of the rows and print the ID and FNAME for those rows
while ibm_db.fetch_row(selectStmt) != False:
    print (" ID:",  ibm_db.result(selectStmt, 0), " FNAME:",  ibm_db.result(selectStmt, "FNAME"))

# Output:
ID: 2  FNAME: Raul
ID: 3  FNAME: Hima

# Execute an update statement that changes Rav's city from Toronto to Moosetown
updateQuery = "UPDATE INSTRUCTOR SET CITY = 'MOOSETOWN' WHERE FNAME = 'Rav'"
updateStmt = ibm_db.exec_immediate(conn, updateQuery)

# Retrieve the contents of the INSTRUCTOR table into a Pandas dataframe
import pandas
import ibm_db_dbi
```

```
# Connection for pandas
pconn = ibm_db_dbi.Connection(conn)

# Query statement to retrieve all rows in INSTRUCTOR table
selectQuery = "select * from INSTRUCTOR"

# Retrieve the query results into a pandas dataframe
pdf = pandas.read_sql(selectQuery, pconn)

# Print just the LNAME for the first row in the pandas data frame
pdf.LNAME[0]

# Output:
'Ahuja'

# Print the entire data frame
pdf

# Output:
```

	ID	FNAME	LNAME	CITY	CCODE
0	1	Rav	Ahuja	MOOSETOWN	CA
1	2	Raul	Chong	Markham	CA
2	3	Hima	Vasudevan	Chicago	US