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Experiment 6

DBMS in python:

CREATE:

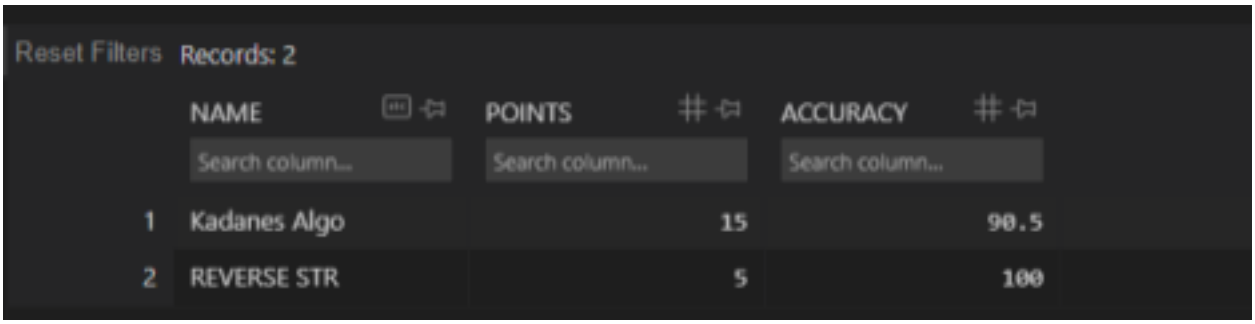
```
import sqlite3
cnt = sqlite3.connect("mydb.db")
cnt.execute('''CREATE TABLE table1(
NAME TEXT,
POINTS INTEGER,
ACCURACY REAL);''')
#INSERT:
cnt.execute('''INSERT INTO table1(ACCURACY, POINTS, NAME) VALUES(
 90.5, 15, 'Kadanes Algo');''')
cnt.execute('''INSERT INTO table1(NAME, ACCURACY, POINTS) VALUES(
 'REVERSE STR', 100, 5);''')
cnt.commit()
#READ:
cursor = cnt.execute('''SELECT * FROM table1''')
print('Before Updation')
for i in cursor:
    print(i[0]+" "+str(i[1])+" "+str(i[2]))
print('') # print a newline
cnt.execute('''UPDATE table1 SET POINTS=POINTS+5 WHERE
POINTS<20;''')
cursor = cnt.execute('''SELECT * FROM table1''')
print('After Updation')
for i in cursor:
    print(i[0]+" "+str(i[1])+" "+str(i[2]))
#DELETE:
cursor = cnt.execute('''SELECT * FROM table1''')
print('Before Deletion')
for i in cursor:
    print(i[0]+" "+str(i[1])+" "+str(i[2]))
```

```
print('') # print a newline
cnt.execute('''DELETE FROM table1 WHERE ACCURACY>91;''')

cursor = cnt.execute('''SELECT * FROM table1''')

print('After Deletion')
for i in cursor:
    print(i[0]+" "+str(i[1])+" "+str(i[2]))
```

OUTPUT:




```
PS C:\Users\cc100\Desktop\AKSHIT(PYTHON)> py db.py
Before Updation
Kadanes Algo    15    90.5
REVERSE STR    5    100.0

After Updation
Kadanes Algo    20    90.5
REVERSE STR    10    100.0
PS C:\Users\cc100\Desktop\AKSHIT(PYTHON)> py db.py
Before Deletion
Kadanes Algo    15    90.5
REVERSE STR    5    100.0

After Deletion
Kadanes Algo    15    90.5
```