**Project Report for Term Project #1**

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**1. Sources**

‘movies’ table

(‘rating’, ‘date’, ‘mid’, ‘uid’)

(3, '2004-04-06', '1', '12')

(5, '2005-03-24', '2', '23')

(5, '2005-03-24', '3', '34')

(4, '2004-07-14', '4', '45')

(6, '2005-07-14', '5', '56')

(4, '2006-07-14', '6', '67')

(7, '2007-07-14', '7', '78')

(4, '2004-07-14', '8', '89')

(4, '2001-07-14', '9', '910')

(2, '2004-02-14', '10', '1011')

(4, '2004-07-14', '11', '1112')

(1, '2004-03-14', '12', '1213')

(2, '2004-11-14', '13', '1314')

(4, '2004-07-14', '14', '1415')

14 number of tuples

**2. Schema**

**rating**: int type, key attribute

**date**: data type, key attribute

**mid**: string type

**uid**: string type

**3. Order of B-tree**

3

**4. To run program**

Use APIs

**db.insert(TUPLE)**  # INSERT operation

**db.delete(TUPLE\_NUMBER)**  # DELETE operation

**db.search(KEY)** # SEARCH operation

**db.update(TUPLE\_NUM, NEW\_TUPLE)** # UPDATE operation

**db.show()**  # shows current table and b-tree

in the “***run.py***” file

**5. Progress**

**→ open the *run.py***

**→ write code using the APIs**

**→ $ python3 run.py**