# DBMS Assignment 3

1. 1. set:

|  |
| --- |
| *speed* |
| 1.42 |
| 1.86 |
| 2 |
| 2.1 |
| 2.2 |
| 2.66 |
| 2.8 |
| 3.06 |
| 3.2 |

* 1. Average: 1.916
  2. Bag:

|  |
| --- |
| *speed* |
| 2.66 |
| 2.10 |
| 1.42 |
| 2.80 |
| 3.20 |
| 3.20 |
| 2.20 |
| 2.20 |
| 2.00 |
| 2.80 |
| 1.86 |
| 2.80 |
| 3.06 |

* 1. bag average: 2.484615385
  2. {(2,0),(4,3),(2,4),(5,3),(5,1),(null,3)}
  3. {(1,1),(3,4),(1,5),(4,4),(4,2)}
  4. {(0,1),(2,3),(2,4),(3,4)}
  5. {(0,2),(2,7),(3,4)}
  6. outerJOiN where B’s connect {(1,1,0),(2,3,null}
  7. read uncommitted
     1. can see all data in the DB. Even if the data hasn’t ben committed (And may never)
  8. read committed
     1. can only see committed data but not the same data each time
  9. repeatable read
     1. requirement is like read-committed, plus: if data is read then everything seen on the first time will be seen the second time
        1. but the second and more reads may see more tuples as well
  10. serializable
      1. Can see the Database before or after someone else runs, but not during other transactions



CREATE VIEW RichExec

SELECT name,address, cert#

FROM MovieExec

WHERE netWorth > 10000000;

CREATE VIEW StudioPres

SELECT m.name, m.address, m.cert#

FROM Take Studio AS s, Take MovieExec AS m

WHERE s.name = m.name;

1. 1. CREATE INDEX Address on MovieExec(address);
   2. CREATE INDEX Date/Gender on MovieStar(birthdate,gender);