1) Which statement is/are correct?

Statement A: An OLTP system is able to cope with real-time, simultaneous transactions that the database server is processing in large volumes.

Statement B: An OLAP system uses large amounts of operational data to run complex queries on and provide insights for tactical and strategic decision-making.

a) Only A       b) Only B       c) A and B       d) Neither A or B
SELECT count(*) FROM Oscar_Nominations WHERE length BETWEEN 200 AND 230

Oscar_Nominations

<table>
<thead>
<tr>
<th>id</th>
<th>title</th>
<th>director</th>
<th>length</th>
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<tr>
<td>20</td>
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<td>159</td>
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<td>21</td>
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<td>Martin Scorsese</td>
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<tr>
<td>25</td>
<td>Little Women</td>
<td>Greta Gerwig</td>
<td>215</td>
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<tr>
<td>28</td>
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<td>Todd Philipps</td>
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<tr>
<td>32</td>
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<td>Taika Waititi</td>
<td>148</td>
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<tr>
<td>60</td>
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<td>Noah Baumbach</td>
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2) What is the output from the query?
   a) 3
   b) 2
   c) 5
   d) 0
SELECT count(*) FROM Oscar_Nominations
WHERE length < 200 AND length > 230

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3) What is the output from the query?

a) 3  
b) 2  
c) 5  
d) 0
SELECT count(*) FROM Oscar_Nominations
WHERE length IS NULL

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4) What is the output from the query?

a) 3  
b) 2  
c) 1  
d) 0
SELECT count(*) FROM Oscar_Nominations
WHERE length > 100

Oscar_Nominations

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5) What is the output from the query?

a) 3
b) 2
c) 5
d) 6
SQL Queries: Basic Form

SELECT <list of desired fields>
FROM <single table>
WHERE <boolean condition>
ORDER BY <list of fields to sort on>
Demo: Data Ingest - Part 1
Staging Schema

Current_Student(sid, fname, lname, dob, cno, cname, credits, grade)
New_Student(sid, fname, lname, dob)
Class(tid, instructor, dept, cno, cname, credits)
First Question

Who takes CS327E or CS329E?

Current_Student(sid, fname, lname, dob, cno, cname, credits, grade)
New_Student(sid, fname, lname, dob)
Class(tid, instructor, dept, cno, cname, credits)
iClicker Question

*Who takes CS327E or CS329E?*

How many records does the answer return?

A. 5  
B. 6  
C. 7
Second Question

*Who takes CS327E and CS329E?*

```plaintext
Current_Student(sid, fname, lname, dob, cno, cname, credits, grade)
New_Student(sid, fname, lname, dob)
Class(tid, instructor, dept, cno, cname, credits)
```
iClicker Question

Who takes CS327E and CS329E?

Is this query a correct implementation?

```
SELECT sid
FROM Current_Student
WHERE cno = 'CS327E'
  AND cno = 'CS329E'
```

A. Yes
B. No
Demo: Data Ingest - Part 2
Milestone 2

http://www.cs.utexas.edu/~scohen/milestones/Milestone2.pdf