CRUD – II

Assignment? HW?

Agenda:

C R U D

→ Read
- Between op
- LIKE op
- IS NULL op
- ORDER BY Clause
- LIMIT Clause

→ Update

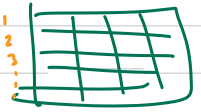
→ Delete
- Delete
- Truncate
- Drop

BETWEEN Keyword

↳ Range query

Orders between 1st Jan 2024 to 31st March 2024 (Q1 2024)

Film / Movies released [2006 - 2020]



```
SELECT col2, col3
FROM table
WHERE col1 meet some condition
```

output = []

WHERE

```
for row in table:
    if row[col] = condition
        output.append(row)
```

SELECT

```
for row in output:
    print(row[col2], col3)
```

LIKE

batch

batch
Jan Academy
Feb Academy
Jan DS
Feb DS
March DS

filter batches → "Academy" inside batch name

Jan Academy 2024
Feb Academy 2024
Academy SQL

" % Academy % "

% ⇒ matches any no of chars including 0 chars

_ ⇒ matches only a single character

Pattern

ab %. cat _

Text

ab cat caty — Match

abccatti — Match

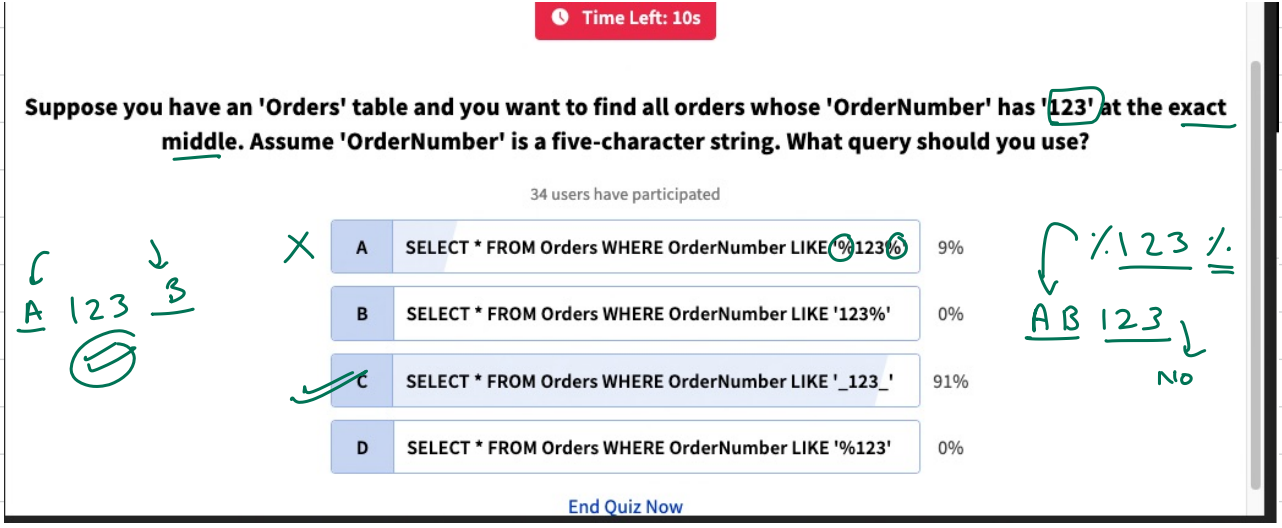
abcaty — Match

abcat — ×

cabcaty — ×

%. ab %. cat %.

ccabcatyabc — Match.


Time Left: 10s
Suppose you have an 'Orders' table and you want to find all orders whose 'OrderNumber' has '123' at the exact middle. Assume 'OrderNumber' is a five-character string. What query should you use?
34 users have participated
A SELECT * FROM Orders WHERE OrderNumber LIKE '%123%' 9%
B SELECT * FROM Orders WHERE OrderNumber LIKE '123%' 0%
C SELECT * FROM Orders WHERE OrderNumber LIKE '_123_' 91%
D SELECT * FROM Orders WHERE OrderNumber LIKE '%123' 0%
End Quiz Now

IS NULL operator

Compare some val with NULL

DELETE:

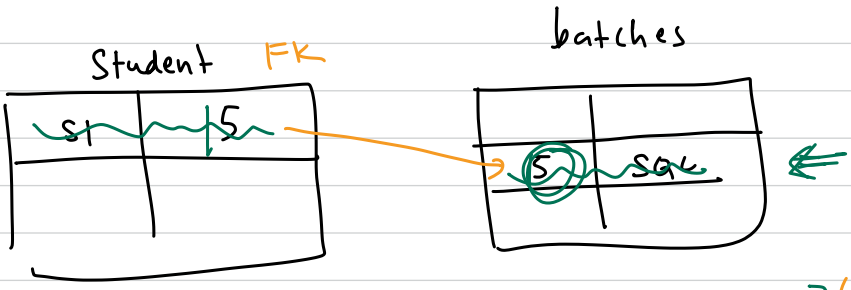
Removes specified rows one-by-one from table (may delete all rows if no condition is present in query but keeps table structure intact).
It is slower than TRUNCATE.
Doesn't reset the key.
It can be rolled back.

TRUNCATE:

Removes the complete table and then recreats it.
Faster than DELETE.
Resets the key.
It can not be rolled back because the complete table is deleted as an intermediate step.

DROP:

Removes complete table and the table structre as well.
It can not be rolled back.



ON update cascade] (student)
ON delete cascade]

ON update restrict]
ON delete restrict]