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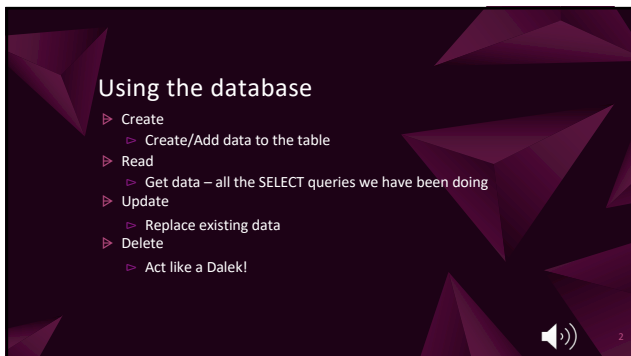
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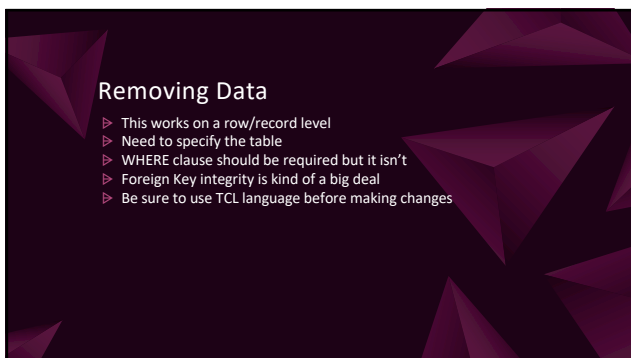
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DELETE Structure

```
DELETE FROM
  table_name
WHERE
  some_condition_or_conditions!!!;
```

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DELETE Demo

```
DELETE FROM
  grade_conversion
WHERE
  max_grade LIKE '8_';
```

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DELETE Demo 2

```
1 DELETE FROM
2   zipcode
3 WHERE
4   zip LIKE '100%';
```

SQL\*Plus: Release 11.2.0.4.0 Production on Mon Apr 19 10:52:02 2021

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Error starting at line 1: 3 in command

```
DELETE FROM
  zipcode
WHERE
  zip LIKE '100%'
```

Error report -

ORA-02292: integrity constraint (CPKC2558C0YHENRICHSEN\_INST\_ZIP\_FK) violated - child record found

I DON'T KNOW HOW TO PUT THIS BUT....



I'M KIND OF A BIG DEAL.

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### Advanced DELETE

- ▶ When removing data from the database that has dependencies you will need to examine the structure of the database in advance
- ▶ Identify the Primary Key / Foreign Key relationships between the tables
- ▶ If a FK value cannot be changed to a different FK, then that row will need to be deleted before deleting the target row
- ▶ Dependencies can be cascaded across the database so check it out before attempting to delete

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### DELETE and TCL

- ▶ Make sure you have a SAVEPOINT before you do any DELETE operations
- ▶ Use the ROLLBACK TO savepoint\_name to restore database state
- ▶ Only use a COMMIT when you KNOW IT IS DONE

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