





SQL

Data Modification Statements

Inserting new data (2 methods)

```
Insert Into Table  
values( $A_1, A_2, \dots, A_n$ )
```



```
Insert Into Table  
Select-Statement
```



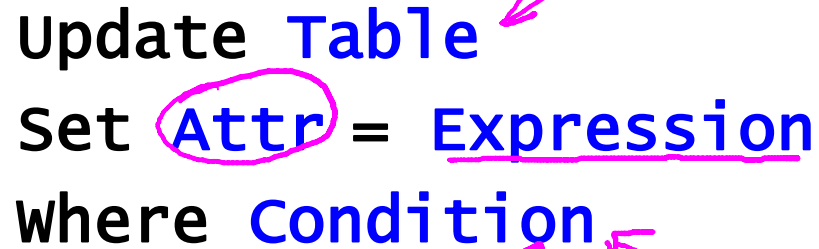
Deleting existing data

```
Delete From Table  
Where Condition
```



Updating existing data

Update Table
Set Attr = Expression
Where Condition

A diagram showing the SQL UPDATE syntax. The text 'Update Table' is on the first line, 'Set Attr = Expression' on the second, and 'Where Condition' on the third. The word 'Table' is blue. 'Attr' is circled in pink. 'Expression' is underlined in pink. 'Condition' is blue. There are pink arrows pointing to 'Table', 'Expression', and 'Condition'.

Updating existing data

Update Table

Set A₁=Expr₁, A₂=Expr₂, ..., A_n=Expr_n

Where Condition

Demo: simple college admissions database

College(cName, state, enrollment)

Student(sID, sName, GPA, sizeHS)

Apply(sID, cName, major, decision)