


SQL

Data Modification Statements

Inserting new data (2 methods)

```
Insert Into Table  
values(A1, A2, ..., An)
```



```
Insert Into Table  
select-Statement
```

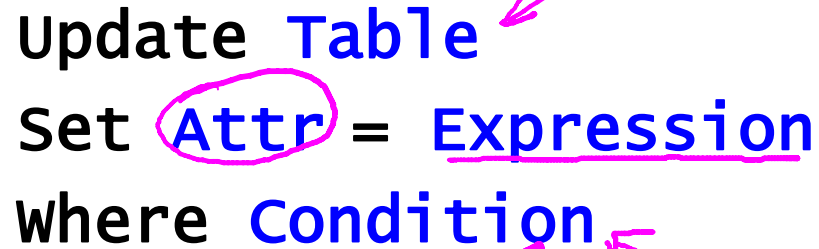


Deleting existing data

```
Delete From Table  
where Condition ←
```

Updating existing data

```
Update Table  
Set Attr = Expression  
Where Condition
```

The diagram shows an SQL UPDATE statement with several annotations. The word 'Table' is pointed to by a pink arrow from the top right. The word 'Attr' is circled in pink. The word 'Expression' is underlined in pink. The word 'Condition' is pointed to by two pink arrows from the bottom right.

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**)