

DBMS-1 Revision Day3

UPDATE QUERY

```
UPDATE database.table SET `column` = `value`;  
UPDATE db1.user SET `country` = `Australia`;
```

Update all
(Unsafe)

```
UPDATE database.table SET `column` = `value` WHERE `column` = `value`;  
UPDATE db1.user SET `contry`=`australia` WHERE `name` = `Dinuka`;
```

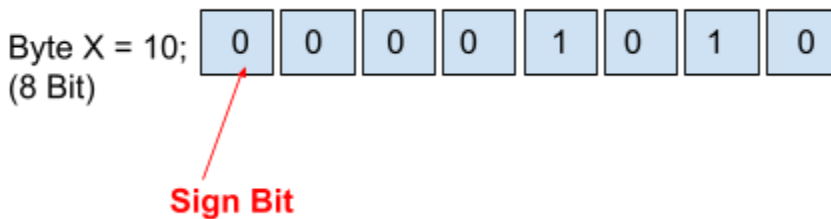
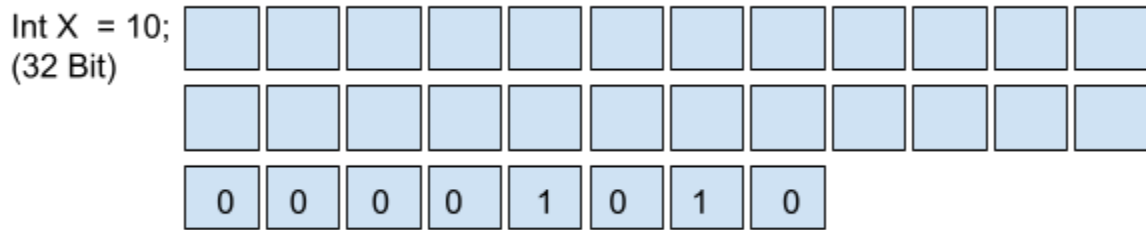
Change Dinuka's Conty

SEARCH QUERY

```
SELECT `columns` FROM database.table;  
SELECT * FROM db1.user;  
SELECT `name`,`Contry` FROM db1.user;
```

```
SELECT `column` FROM database.table WHERE `column` = `value`;  
SELECT * db1.user WHERE `Contry` = `Australia`;  
SELECT `country`,`mobile` FROM db1.user WHERE `Country` = `australia`
```

MYSQL Data Types



Numeric Data Types

- **TINYINT(*size*)** A very small integer. Signed range is from -128 to 127. Unsigned range is from 0 to 255.
- **SMALLINT(*size*)** A small integer. Signed range is from -32768 to 32767. Unsigned range is from 0 to 65535.
- **MEDIUMINT(*size*)** A medium integer. Signed range is from -8388608 to 8388607. Unsigned range is from 0 to 16777215.
- **INT(*size*)** A medium integer. Signed range is from -2147483648 to 2147483647. Unsigned range is from 0 to 4294967295.
- **INTEGER(*size*)** Equal to INT(*size*)

- **BIGINT(*size*)** A large integer. Signed range is from -9223372036854775808 to 9223372036854775807. Unsigned range is from 0 to 18446744073709551615.

Real Data Types

- **FLOAT(*p*)** A floating point number. 25 to 53, the data type becomes **DOUBLE()**
- **DOUBLE(*d*)** A normal-size floating point number.

NOTE: FLOAT has 32 Bit (4 Bytes) with 8 places accuracy. And Double has 64 bit (8Bytes) with 16 places accuracy

String Data Types

CHAR(*size*) A FIXED length string. The *size* parameter specifies the column length in characters - can be from 0 to 255

VARCHAR (*size*) A VARIABLE length string (can contain letters, numbers, and special characters). The *size* parameter specifies the maximum column length in characters - can be from 0 to 65535

TEXT(*size*) Holds a string with a maximum length of 65,535 bytes

Date and Time Data Types

DATE	A date. Format: YYYY-MM-DD. The supported range is from '1000-01-01' to '9999-12-31'
DATETIME(<i>fsp</i>)	A date and time combination. Format: YYYY-MM-DD hh:mm:ss. The supported range is from '1000-01-01 00:00:00' to '9999-12-31 23:59:59'.
TIMESTAMP(<i>fsp</i>)	A timestamp. Format: YYYY-MM-DD hh:mm:ss. The supported range is from '1970-01-01 00:00:01' UTC to '2038-01-09 03:14:07'
TIME(<i>fsp</i>)	A time. Format: hh:mm:ss. The supported range is from '-838:59:59' to '838:59:59'
YEAR	A year in four-digit format. Values allowed in four-digit format: 1901 to 2155, and 0000.