$$\boxed{1.5}$$

CS4351 ch1.5 - The basic data types

• Data Types

- Importance of data types and what is allowed

Ex: Calculate "cat age"

Age × 7

Name	Breed	Age	
Blue	Scottish fold	1	$1 \times 7 = 7$
Rocuet	Persian	3	$3 \times 7 = 21$
Monty	Tabby	ten	'ten' $\times 7 = ???$
Sam	Munchkin	I am yung cat	'I am yung cat' $\times 7 = \ddot{n}$

MySQL will enforce data types

MySQL Numeric Types	String Types	Date Types
• INT	• CHAR	• DATE
• SMALLINT	• VARCHAR	• DATETIME
• TINYINT	• BINARY	• TIMESTAMP
• MEDIUMINT	• VARBINARY	• TIME
• BIGINT	• BLOB	• YEAR
• DECIMAL	• TINYBLOB	
• NUMERIC	• MEDIUMBLOB	
• FLOAT	• LONGBLOB	
• DOUBLE	• TEXT	
• BIT	• MEDIUMTEXT	
	• LONGTEXT	
	• ENUM	

CS435 | ch1.5 - The basic data types
- Focus into just one were use for DB

Numeric Types

INT

A whole number
with a max value of 4294967295
anything larger will be other types

String Types

VARCHAR

A variable-length string
between 1 and 255 characters
'coffee!!'   must be text

must be text   Must be
                                       Number
    ↓   up to   ↓
              characters
Varchar(100)   you can specify   Varchar(100)   int

Name   Breed   Age