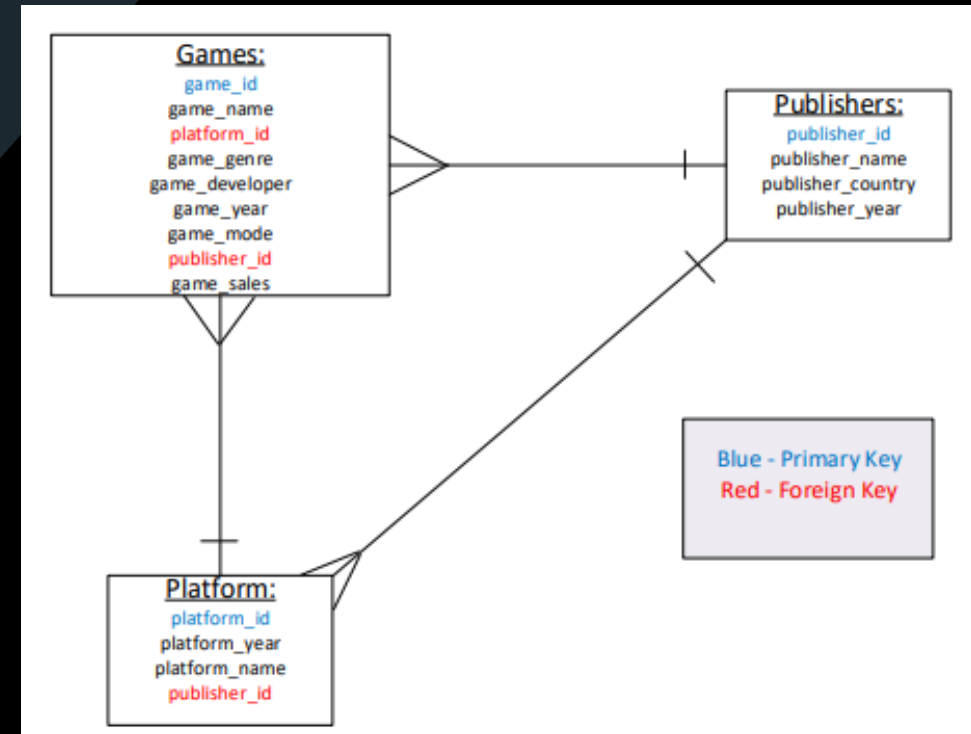# GAME DATABASE OVERVIEW

By: Bryce Bishop, Jeremiah Mckee, Rian Spangler & Jayden Strickland

ERD Diagram

- Publisher Table – One to Many
  - Primary key – publisher_id
- Platform Table
  - Foreign key – publisher_id
  - Primary key – platform_id
- Game Table – Many to one
  - Foreign key - platform/publisher_id
  - Primary key – game_id

SQL Table – Game Table

- Overall hold top games sold

- Foreign keys to both other tables

SQL Table – Platform Table

- A branch for the game table (foreign)

- Shows what console sold with what game

SQL Table – Publisher Table

- The other branch for game table (foreign)

- Shows who published what game

- When it was and where

SQL Queries

- SELECT game_table.game_id as 'Game ID',   (Games and their sales)

  game_table.game_name as 'Game',

  game_table.game_year as 'Year',

  game_table.game_sales as 'Sales',

  publisher_table.publisher_name as 'Name'

  FROM game_table

  INNER JOIN publisher_table ON publisher_table.publisher_id = game_table.publisher_id;

- SELECT publisher_table.publisher_name as 'Pub Name',   (Publisher)
  publisher_table.publisher_year as 'Year Published',
  publisher_table.publisher_country as 'Country'

  FROM publisher_table;

- SELECT game_table.game_id as 'Game ID',   (Games and their platform)

  game_table.game_name as 'Game',

  game_table.game_genre as 'Genre',

  platform_table.platform_name as 'Platform'

  FROM game_table

  INNER JOIN platform_table ON platform_table.platform_id = game_table.platform_id;

SQL Queries Cont.
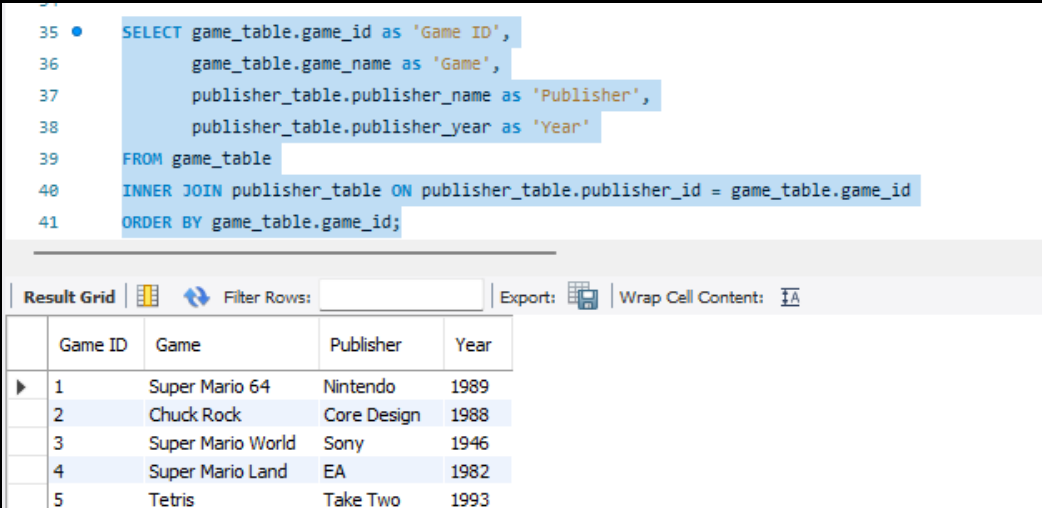

- SELECT game_table.game_id as 'Game ID',   (Games and their publisher)

        game_table.game_name as 'Game',

        publisher_table.publisher_name as 'Publisher',

        publisher_table.publisher_year as 'Year'

  FROM game_table

  INNER JOIN publisher_table ON publisher_table.publisher_id = game_table.game_id

  ORDER BY game_table.game_id;

- SELECT MAX(game_table.game_sales) as 'Highest Sale'   (Highest sale)

  FROM game_table;

Live Demo

- Pictures of code/code being used back and forth

- SQL open to show live demo