University of British Columbia, Department of Computer Science

CPSC 304

Cover Page for Project Part 3

Date: 23 November, 2020

Project Group Number on Canvas: 73

Group Members:

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By typing our names and student numbers in the above table, we certify that the work in the attached assignment was performed solely by those whose names and student IDs are included above. (In the case of Project Milestone 0, the main purpose of this page is for you to let us know your e-mail address, and then let us assign you to a TA for your project supervisor.)

In addition, we indicate that we are fully aware of the rules and consequences of plagiarism, as set forth by the Department of Computer Science and the University of British Columbia

Pokedex

The Pokedex provides users with a comprehensive record of the known Pokemon in the world. Included in the Pokedex is an index of the Pokemons' abilities, combat statistics, evolution, as well as an organizer for the trainer's captured Pokemon and accessories.

Features

The Pokedex places considerable information-processing capability in the trainer's hands. Through the Pokedex trainers have a repository of encyclopaedic information on known Pokemon in the world, their types, powers, and strengths, and also their weaknesses. Trainers can also view Pokemon evolutionary pathways.

In addition to access to detailed entries on various species, trainers can evaluate the key strengths, weaknesses, and offensive and defensive powers of the Pokemon they have captured. Trainers armed with the Pokedex' informative databases can be sure they have all the requisite information to make the best strategic use of their inventory. The Pokedex also gives trainers the option to rename, customize, or release their Pokemon.

Design changes

A number of changes were made to the original design to better focus the application towards presenting only the most basic of information about Pokemon without reference to other aspects such as training and breeding. The `Nature` entity and its associated relations were removed for this reason. Attributes that were found to be too specific, random, or inconsequential (ex.: `pokemonWeight`, `friendshipLevel`, `genderRatio`) were also removed from the final product.

Attributes
- Added `ownedID` attribute in `Pokemon`, which is now the PK
- Added a `HiddenAbility` attribute in `Species`
- Changed `abilities` in `Species` to two attributes: `ability1` and `ability2`
- Changed `gender` in `Pokemon` to `varchar` instead of `boolean`
- Changed `timeCaught` to `timestamp` instead of `datetime`
- Removed `increase`, `decrease` in `Stats`
- Removed `genderRatio` in `Species`
- Removed `weight`, `friendshipLevel` in `Pokemon`

Tables
- Removed `Nature`, `born_with`, and `determines`
- Renamed various entities whose names clashed with SQL keywords (requires, uses, etc.) Most of these now begin with a `p_`.

Relationships
- `Species` no longer participates totally in `has`

ER diagram

https://app.diagrams.net/#G1Z7n1LFosQH_7tPevi_-CEanetSoGfqcU

Screenshots

1. Begin with reset, then generate a random pokemon and display pokemon

// CS304 POKEMON DATABASE

GENERAL

If you wish to reset the table press on the reset button. If this is the first time you're running this page, you MUST use reset

`RESET TABLES` `COUNT TUPLES IN TABLES`

POKEDEX QUERIES

FILTER BY TYPE

`NORMAL` `GRASS` `FIRE` `WATER` `GROUND` `FLYING` `POISON`
`FIGHTING` `BUG` `ELECTRIC` `PSYCHIC` `FAIRY`

OTHER QUERIES

`SEARCH POKEMON BY NAME` [Enter species name of Po]
`SEARCH POKEMON BY ID` [Enter id number of Pokem]
`ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE` [Enter type]
`DISPLAY MEGA EVOLUTIONS` `DISPLAY EVOLUTIONS`

MANAGE YOUR POKEMON

`GENERATE POKEMON` `DISPLAY POKEMON` `SHOW POKEMON STATS`
`SHOW POKEMON` [Enter OwnedID of Pokemc]
Sort by [Species ID ▾] from [Smallest to biggest ▾] `SORT`
See aggregates for [Species ▾] with at least [1] Pokemon `VIEW`
`RELEASE POKEMON` [Enter OwnedID of Pokemc]
`CHANGE NICKNAME` [Enter OwnedID of Pokemc] [Enter new nickname for P]
`CHECK WEAKNESSES` [Enter OwnedID of Pokemc]

RESULTS

Resetting...Clearing tables...Done!

// CS304 POKEMON DATABASE

GENERAL

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`RESET TABLES` `COUNT TUPLES IN TABLES`

POKEDEX QUERIES

FILTER BY TYPE

`NORMAL` `GRASS` `FIRE` `WATER` `GROUND` `FLYING` `POISON`
`FIGHTING` `BUG` `ELECTRIC` `PSYCHIC` `FAIRY`

OTHER QUERIES

`SEARCH POKEMON BY NAME` [Enter species name of Po]
`SEARCH POKEMON BY ID` [Enter id number of Pokem]
`ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE` [Enter type]
`DISPLAY MEGA EVOLUTIONS` `DISPLAY EVOLUTIONS`

MANAGE YOUR POKEMON

`GENERATE POKEMON` `DISPLAY POKEMON` `SHOW POKEMON STATS`
`SHOW POKEMON` [Enter OwnedID of Pokemc]
Sort by [Species ID ▾] from [Smallest to biggest ▾] `SORT`
See aggregates for [Species ▾] with at least [1] Pokemon `VIEW`
`RELEASE POKEMON` [Enter OwnedID of Pokemc]
`CHANGE NICKNAME` [Enter OwnedID of Pokemc] [Enter new nickname for P]
`CHECK WEAKNESSES` [Enter OwnedID of Pokemc]

RESULTS

You caught a Clefairy!

// CS304 POKEMON DATABASE

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[RESET TABLES] [COUNT TUPLES IN TABLES]

POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]
[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] Enter species name of Po
[SEARCH POKEMON BY ID] Enter id number of Pokem
[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] Enter type
[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]
[SHOW POKEMON] Enter OwnedID of Pokemc
Sort by [Species ID] from [Smallest to biggest] [SORT]
See aggregates for [Species] with at least [1] Pokemon [VIEW]
[RELEASE POKEMON] Enter OwnedID of Pokemc
[CHANGE NICKNAME] Enter OwnedID of Pokemc Enter new nickname for P
[CHECK WEAKNESSES] Enter OwnedID of Pokemc

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
35	Clefairy	female	23-NOV-20 09.09.12.957439 PM.	0

2. Release Pokemon

// CS304 POKEMON DATABASE

GENERAL

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[RESET TABLES] [COUNT TUPLES IN TABLES]

POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]
[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] Enter species name of Po
[SEARCH POKEMON BY ID] Enter id number of Pokem
[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] Enter type
[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]
[SHOW POKEMON] Enter OwnedID of Pokemc
Sort by [Species ID] from [Smallest to biggest] [SORT]
See aggregates for [Species] with at least [1] Pokemon [VIEW]
[RELEASE POKEMON] 0
[CHANGE NICKNAME] Enter OwnedID of Pokemc Enter new nickname for P
[CHECK WEAKNESSES] Enter OwnedID of Pokemc

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
35	Clefairy	female	23-NOV-20 09.09.12.957439 PM.	0

// CS304 POKEMON DATABASE

GENERAL

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[RESET TABLES] [COUNT TUPLES IN TABLES]

POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]
[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] [Enter species name of Po]
[SEARCH POKEMON BY ID] [Enter id number of Pokem]
[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] [Enter type]
[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]
[SHOW POKEMON] [Enter OwnedID of Pokemc]
Sort by [Species ID ▾] from [Smallest to biggest ▾] [SORT]
See aggregates for [Species ▾] with at least [1] Pokemon [VIEW]
[RELEASE POKEMON] [Enter OwnedID of Pokemc]
[CHANGE NICKNAME] [Enter OwnedID of Pokemc] [Enter new nickname for P]
[CHECK WEAKNESSES] [Enter OwnedID of Pokemc]

RESULTS

Clefairy was released.

3. Show Pokemon Stats

// CS304 POKEMON DATABASE

GENERAL

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[RESET TABLES] [COUNT TUPLES IN TABLES]

POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]
[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] [Enter species name of Po]
[SEARCH POKEMON BY ID] [Enter id number of Pokem]
[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] [Enter type]
[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]
[SHOW POKEMON] [Enter OwnedID of Pokemc]
Sort by [Species ID ▾] from [Smallest to biggest ▾] [SORT]
See aggregates for [Species ▾] with at least [1] Pokemon [VIEW]
Get the most common gender by Pokemon [SHOW]
[RELEASE POKEMON] [Enter OwnedID of Pokemc]
[CHANGE NICKNAME] [Enter OwnedID of Pokemc] [Enter new nickname for P]
[CHECK WEAKNESSES] [Enter OwnedID of Pokemc]

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
11	Metapod	male	23-NOV-20 09.23.08.329523 PM.	2
12	Butterfree	male	23-NOV-20 09.23.17.686313 PM.	4
40	Wigglytuff	female	23-NOV-20 09.36.11.826543 PM.	5
10	Caterpie	female	23-NOV-20 09.17.19.857751 PM.	1

// CS304 POKEMON DATABASE

GENERAL

If you wish to reset the table press on the reset button. If this is the first time you're running this page, you MUST use reset

`RESET TABLES` `COUNT TUPLES IN TABLES`

RESULTS

Nickname	Species ID	HP	Atk	Def	SpAtk	SpDef	Speed
Caterpie	10	45	30	35.	20	20	45
Metapod	11	50	20	55.	25	25	30
Butterfree	12	60	45	50.	90	80	70
Wigglytuff	40	140	70	45.	85	50	45

POKEDEX QUERIES

FILTER BY TYPE

`NORMAL` `GRASS` `FIRE` `WATER` `GROUND` `FLYING` `POISON`
`FIGHTING` `BUG` `ELECTRIC` `PSYCHIC` `FAIRY`

OTHER QUERIES

`SEARCH POKEMON BY NAME` Enter species name of Po
`SEARCH POKEMON BY ID` Enter id number of Pokem
`ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE` Enter type
`DISPLAY MEGA EVOLUTIONS` `DISPLAY EVOLUTIONS`

MANAGE YOUR POKEMON

`GENERATE POKEMON` `DISPLAY POKEMON` `SHOW POKEMON STATS`
`SHOW POKEMON` Enter OwnedID of Pokemo
Sort by Species ID ▾ from Smallest to biggest ▾ `SORT`
See aggregates for Species ▾ with at least 1 Pokemon `VIEW`
Get the most common gender by Pokemon `SHOW`
`RELEASE POKEMON` Enter OwnedID of Pokemo
`CHANGE NICKNAME` Enter OwnedID of Pokem(Enter new nickname for P
`CHECK WEAKNESSES` Enter OwnedID of Pokem(

4. Sort By Nickname from Biggest to Smallest

Sort by [Nickname ▾] from [Smallest to biggest ▾] `SORT`

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID	HP	Attack	Defence	Sp. attack	Sp. defence	Speed
12	Butterfree	male	23-NOV-20 09.23.17.686313 PM	4	60	45	50	90	80	70
10	Caterpie	female	23-NOV-20 09.17.19.857751 PM	1	45	30	35	20	20	45
11	Metapod	male	23-NOV-20 09.23.08.329523 PM	2	50	20	55	25	25	30
40	Wigglytuff	female	23-NOV-20 09.36.11.826543 PM	5	140	70	45	85	50	45

5. Show specific pokemon given OwnedID

// CS304 POKEMON DATABASE

If you wish to reset the table press on the reset button. If this is the first time you're running this page, you MUST use reset

RESET TABLES   COUNT TUPLES IN TABLES

POKEDEX QUERIES

FILTER BY TYPE

NORMAL GRASS FIRE WATER GROUND FLYING POISON

FIGHTING BUG ELECTRIC PSYCHIC FAIRY

OTHER QUERIES

SEARCH POKEMON BY NAME [Enter species name of Po]

SEARCH POKEMON BY ID [Enter id number of Pokem]

ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE [Enter type]

DISPLAY MEGA EVOLUTIONS   DISPLAY EVOLUTIONS

MANAGE YOUR POKEMON

GENERATE POKEMON   DISPLAY POKEMON   SHOW POKEMON STATS

SHOW POKEMON [4]

Sort by [Species ID ▼] from [Smallest to biggest ▼] SORT

See aggregates for [Species ▼] with at least [1] Pokemon VIEW

Get the most common gender by Pokemon SHOW

RELEASE POKEMON [Enter OwnedID of Pokemo]

CHANGE NICKNAME [Enter OwnedID of Pokemo] [Enter new nickname for P]

CHECK WEAKNESSES [Enter OwnedID of Pokemo]

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
11	Metapod	male	23-NOV-20 09.23.08.329523 PM.	2
12	Butterfree	male	23-NOV-20 09.23.17.686313 PM.	4
40	Wigglytuff	female	23-NOV-20 09.36.11.826543 PM.	5
49	Venomoth	female	23-NOV-20 09.50.51.666225 PM.	6
10	Caterpie	female	23-NOV-20 09.17.19.857751 PM.	1

// CS304 POKEMON DATABASE

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RESET TABLES   COUNT TUPLES IN TABLES

POKEDEX QUERIES

FILTER BY TYPE

NORMAL GRASS FIRE WATER GROUND FLYING POISON

FIGHTING BUG ELECTRIC PSYCHIC FAIRY

OTHER QUERIES

SEARCH POKEMON BY NAME [Enter species name of Po]

SEARCH POKEMON BY ID [Enter id number of Pokem]

ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE [Enter type]

DISPLAY MEGA EVOLUTIONS   DISPLAY EVOLUTIONS

MANAGE YOUR POKEMON

GENERATE POKEMON   DISPLAY POKEMON   SHOW POKEMON STATS

SHOW POKEMON [Enter OwnedID of Pokemo]

Sort by [Species ID ▼] from [Smallest to biggest ▼] SORT

See aggregates for [Species ▼] with at least [1] Pokemon VIEW

Get the most common gender by Pokemon SHOW

RELEASE POKEMON [Enter OwnedID of Pokemo]

CHANGE NICKNAME [Enter OwnedID of Pokemo] [Enter new nickname for P]

CHECK WEAKNESSES [Enter OwnedID of Pokemo]

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
12	Butterfree	male	23-NOV-20 09.23.17.686313 PM	4

6. Change Pokemon Nickname

// CS304 POKEMON DATABASE

GENERAL

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[RESET TABLES] [COUNT TUPLES IN TABLES]

POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]
[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] [Enter species name of Po]

[SEARCH POKEMON BY ID] [Enter id number of Pokem]

[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] [Enter type]

[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]

[SHOW POKEMON] [Enter OwnedID of Pokemo]

Sort by [Species ID ▾] from [Smallest to biggest ▾] [SORT]

See aggregates for [Species ▾] with at least [1] Pokemon [VIEW]

Get the most common gender by Pokemon [SHOW]

[RELEASE POKEMON] [Enter OwnedID of Pokemo]

[CHANGE NICKNAME] [1] [Worm]

[CHECK WEAKNESSES] [Enter OwnedID of Pokemo]

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
11	Metapod	male	23-NOV-20 09.23.08.329523 PM.	2
12	Butterfree	male	23-NOV-20 09.23.17.686313 PM.	4
40	Wigglytuff	female	23-NOV-20 09.36.11.826543 PM.	5
49	Venomoth	female	23-NOV-20 09.50.51.666225 PM.	6
10	Caterpie	female	23-NOV-20 09.17.19.857751 PM.	1

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POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]
[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] [Enter species name of Po]

[SEARCH POKEMON BY ID] [Enter id number of Pokem]

[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] [Enter type]

[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]

[SHOW POKEMON] [Enter OwnedID of Pokemo]

Sort by [Species ID ▾] from [Smallest to biggest ▾] [SORT]

See aggregates for [Species ▾] with at least [1] Pokemon [VIEW]

Get the most common gender by Pokemon [SHOW]

[RELEASE POKEMON] [Enter OwnedID of Pokemo]

[CHANGE NICKNAME] [Enter OwnedID of Pokemo] [Enter new nickname for P]

[CHECK WEAKNESSES] [Enter OwnedID of Pokemo]

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
11	Metapod	male	23-NOV-20 09.23.08.329523 PM.	2
12	Butterfree	male	23-NOV-20 09.23.17.686313 PM.	4
40	Wigglytuff	female	23-NOV-20 09.36.11.826543 PM.	5
49	Venomoth	female	23-NOV-20 09.50.51.666225 PM.	6
10	Worm	female	23-NOV-20 09.17.19.857751 PM.	1

7. Check a Pokemon's Weaknesses

// CS304 POKEMON DATABASE

GENERAL

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[RESET TABLES] [COUNT TUPLES IN TABLES]

POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]

[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] Enter species name of Po

[SEARCH POKEMON BY ID] Enter id number of Pokem

[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] Enter type

[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]

[SHOW POKEMON] Enter OwnedID of Pokemo

Sort by [Species ID ▾] from [Smallest to biggest ▾] [SORT]

See aggregates for [Species ▾] with at least [1] Pokemon [VIEW]

Get the most common gender by Pokemon [SHOW]

[RELEASE POKEMON] Enter OwnedID of Pokemo

[CHANGE NICKNAME] Enter OwnedID of Pokemo Enter new nickname for P

[CHECK WEAKNESSES] [1]

RESULTS

Species ID	Nickname	Gender	Time Caught	Owned ID
11	Metapod	male	23-NOV-20 09.23.08.329523 PM.	2
12	Butterfree	male	23-NOV-20 09.23.17.686313 PM.	4
40	Wigglytuff	female	23-NOV-20 09.36.11.826543 PM.	5
49	Venomoth	female	23-NOV-20 09.50.51.666225 PM.	6
10	Worm	female	23-NOV-20 09.17.19.857751 PM.	1

// CS304 POKEMON DATABASE

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RESET TABLES   **COUNT TUPLES IN TABLES**

POKEDEX QUERIES

FILTER BY TYPE

NORMAL **GRASS** **FIRE** **WATER** **GROUND** **FLYING** **POISON**

FIGHTING **BUG** **ELECTRIC** **PSYCHIC** **FAIRY**

OTHER QUERIES

SEARCH POKEMON BY NAME   Enter species name of Po

SEARCH POKEMON BY ID   Enter id number of Pokem

ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE   Enter type

DISPLAY MEGA EVOLUTIONS   **DISPLAY EVOLUTIONS**

MANAGE YOUR POKEMON

GENERATE POKEMON   **DISPLAY POKEMON**   **SHOW POKEMON STATS**

SHOW POKEMON   Enter OwnedID of Pokemc

Sort by Species ID ∨ from Smallest to biggest ∨ **SORT**

See aggregates for Species ∨ with at least 1 Pokemon **VIEW**

Get the most common gender by Pokemon **SHOW**

RELEASE POKEMON   Enter OwnedID of Pokemc

CHANGE NICKNAME   Enter OwnedID of Pokemc   Enter new nickname for P

CHECK WEAKNESSES   Enter OwnedID of Pokemc

RESULTS

Checking Worm's weaknesses...
Bug weak against Fighting
Bug weak against Flying
Bug weak against Poison
Bug weak against Ghost
Bug weak against Steel
Bug weak against Fire
Bug weak against Fairy
Bug weak against Rock

8. Filter Pokemon By Type (Gif)

// CS304 POKEMON DATABASE

GENERAL

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RESET TABLES   **COUNT TUPLES IN TABLES**

POKEDEX QUERIES

FILTER BY TYPE

NORMAL   GRASS   FIRE   WATER   GROUND   FLYING   POISON

FIGHTING   BUG   ELECTRIC   PSYCHIC   FAIRY

OTHER QUERIES

SEARCH POKEMON BY NAME   Enter species name of Po

SEARCH POKEMON BY ID   Enter id number of Pokem

ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE   Enter type

DISPLAY MEGA EVOLUTIONS   **DISPLAY EVOLUTIONS**

MANAGE YOUR POKEMON

GENERATE POKEMON   **DISPLAY POKEMON**   **SHOW POKEMON STATS**

SHOW POKEMON   Enter OwnedID of Pokemc

Sort by [Species ID ▾] from [Smallest to biggest ▾] **SORT**

See aggregates for [Species ▾] with at least [1] Pokemon **VIEW**

Get the most common gender by Pokemon **SHOW**

RELEASE POKEMON   Enter OwnedID of Pokemc

CHANGE NICKNAME   Enter OwnedID of Pokemc   Enter new nickname for P

CHECK WEAKNESSES   Enter OwnedID of Pokemc

RESULTS

The number of tuples in Pokedex: 65

The number of tuples in Your Pokemon Table: 5

9. Search Pokemon By Name

// CS304 POKEMON DATABASE

GENERAL

If you wish to reset the table press on the reset button. If this is the first time you're running this page, you MUST use reset

`RESET TABLES` `COUNT TUPLES IN TABLES`

POKEDEX QUERIES

FILTER BY TYPE

`NORMAL` `GRASS` `FIRE` `WATER` `GROUND` `FLYING` `POISON`

`FIGHTING` `BUG` `ELECTRIC` `PSYCHIC` `FAIRY`

OTHER QUERIES

`SEARCH POKEMON BY NAME` [Abra]

`SEARCH POKEMON BY ID` [Enter id number of Pokem]

`ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE` [Enter type]

`DISPLAY MEGA EVOLUTIONS` `DISPLAY EVOLUTIONS`

MANAGE YOUR POKEMON

`GENERATE POKEMON` `DISPLAY POKEMON` `SHOW POKEMON STATS`

`SHOW POKEMON` [Enter OwnedID of Pokemo]

Sort by [Species ID ▾] from [Smallest to biggest ▾] `SORT`

See aggregates for [Species ▾] with at least [1] Pokemon `VIEW`

Get the most common gender by Pokemon `SHOW`

`RELEASE POKEMON` [Enter OwnedID of Pokemo]

`CHANGE NICKNAME` [Enter OwnedID of Pokemo] [Enter new nickname for P]

`CHECK WEAKNESSES` [Enter OwnedID of Pokemo]

RESULTS

The number of tuples in Pokedex: 65

The number of tuples in Your Pokemon Table: 5

// CS304 POKEMON DATABASE

GENERAL

If you wish to reset the table press on the reset button. If this is the first time you're running this page, you MUST use reset

[RESET TABLES] [COUNT TUPLES IN TABLES]

POKEDEX QUERIES

FILTER BY TYPE

[NORMAL] [GRASS] [FIRE] [WATER] [GROUND] [FLYING] [POISON]
[FIGHTING] [BUG] [ELECTRIC] [PSYCHIC] [FAIRY]

OTHER QUERIES

[SEARCH POKEMON BY NAME] [Enter species name of Po]
[SEARCH POKEMON BY ID] [Enter id number of Pokem]
[ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE] [Enter type]
[DISPLAY MEGA EVOLUTIONS] [DISPLAY EVOLUTIONS]

MANAGE YOUR POKEMON

[GENERATE POKEMON] [DISPLAY POKEMON] [SHOW POKEMON STATS]

[SHOW POKEMON] [Enter OwnedID of Pokemo]

Sort by [Species ID ∨] from [Smallest to biggest ∨] [SORT]

See aggregates for [Species ∨] with at least [1] Pokemon [VIEW]

Get the most common gender by Pokemon [SHOW]

[RELEASE POKEMON] [Enter OwnedID of Pokemo]

[CHANGE NICKNAME] [Enter OwnedID of Pokemo] [Enter new nickname for P]

[CHECK WEAKNESSES] [Enter OwnedID of Pokemo]

RESULTS

Species ID	Species	Ability 1	Ability 2	Hidden Ability	Type 1	Type 2
63	Abra	Synchronize	Inner Focus	Magic guard	Psychic	

10. Display Pokemon that are Not Weak to a type (given user input type)

// CS304 POKEMON DATABASE

GENERAL

If you wish to reset the table press on the reset button. If this is the first time you're running this page, you MUST use reset

RESET TABLES | COUNT TUPLES IN TABLES

POKEDEX QUERIES

FILTER BY TYPE

NORMAL | GRASS | FIRE | WATER | GROUND | FLYING | POISON
FIGHTING | BUG | ELECTRIC | PSYCHIC | FAIRY

OTHER QUERIES

SEARCH POKEMON BY NAME | Enter species name of Po

SEARCH POKEMON BY ID | Enter id number of Pokem

ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE | Water

DISPLAY MEGA EVOLUTIONS | DISPLAY EVOLUTIONS

MANAGE YOUR POKEMON

GENERATE POKEMON | DISPLAY POKEMON | SHOW POKEMON STATS

SHOW POKEMON | Enter OwnedID of Pokemo

Sort by [Species ID ▾] from [Smallest to biggest ▾] SORT

See aggregates for [Species ▾] with at least [1] Pokemon VIEW

Get the most common gender by Pokemon SHOW

RELEASE POKEMON | Enter OwnedID of Pokemo

CHANGE NICKNAME | Enter OwnedID of Pokemo | Enter new nickname for P

CHECK WEAKNESSES | Enter OwnedID of Pokemo

RESULTS

The number of tuples in Pokedex: 65

The number of tuples in Your Pokemon Table: 5

// CS304 POKEMON DATABASE

GENERAL

If you wish to reset the table press on the reset button. If this is the first time you're running this page, you MUST use reset

RESET TABLES   COUNT TUPLES IN TABLES

POKEDEX QUERIES

FILTER BY TYPE

NORMAL   GRASS   FIRE   WATER   GROUND   FLYING   POISON

FIGHTING   BUG   ELECTRIC   PSYCHIC   FAIRY

OTHER QUERIES

SEARCH POKEMON BY NAME   Enter species name of Po

SEARCH POKEMON BY ID   Enter id number of Pokem

ALL POKEMON THAT ARE NOT WEAK TO THIS TYPE

Enter type

DISPLAY MEGA EVOLUTIONS   DISPLAY EVOLUTIONS

MANAGE YOUR POKEMON

GENERATE POKEMON   DISPLAY POKEMON   SHOW POKEMON STATS

SHOW POKEMON   Enter OwnedID of Pokemo

Sort by Species ID ▾ from Smallest to biggest ▾   SORT

See aggregates for Species ▾ with at least 1 Pokemon VIEW

Get the most common gender by Pokemon   SHOW

RELEASE POKEMON   Enter OwnedID of Pokemo

CHANGE NICKNAME   Enter OwnedID of Pokemo   Enter new nickname for P

CHECK WEAKNESSES   Enter OwnedID of Pokemo

RESULTS

All Pokemon not weak to Water
Bulbasaur
Ivysaur
Venusaur
Caterpie
Metapod
Butterfree
Weedle
Kakuna
Beedrill
Pidgey
Pidgeotto
Pidgeot
Rattata
Raticate
Spearow
Fearow
Ekans
Arbok
Pikachu
Raichu
Nidoran F
Nidorina
Nidoran M
Nidorino
Clefairy
Clefable
Jigglypuff
Wigglytuff
Zubat
Golbat
Oddish
Gloom
Vileplume
Paras
Parasect
Venonat
Venomoth
Meowth
Persian