

Project 1 – Pokemon Battle

Create a new project **Project1** with a class **PokemonBattle**.

Write a simple Pokemon battle game for 2 players.

- Ask the players to enter an odd number of rounds.
- Each round
 - Each player selects a Pokemon and enters its stats
 - name
 - hit points
 - move
 - move's power
 - attack speed
 - Determine the round's winner
 - Use speed to determine which Pokemon strikes first
 - Example: Player 1's Pokemon has higher speed
 - Player 1's turn
 - Subtract Player 1's power from Player 2's hit points
 - Check: if Player 2's hit points is 0 or less
 - Print Player 1 is the round winner
 - Add 1 point to Player 1's win total
 - Player 2's turn
 - Subtract Player 2's power from Player 1's hit points
 - Check: if Player 1's hit points is 0 or less
 - Print Player 2 is the round winner
 - Add 1 point to Player 2's win total
 - Example: Player 2's Pokemon has higher speed
 - Player 2's turn
 - Subtract Player 2's power from Player 1's hit points
 - Check: if Player 1's hit points is 0 or less
 - Print Player 2 is the round winner
 - Add 1 point to Player 2's win total
 - Player 1's turn
 - Subtract Player 1's power from Player 2's hit points
 - Check: if Player 2's hit points is 0 or less
 - Print Player 1 is the round winner
 - Add 1 point to Player 1's win total
 - If the speeds are equal, use a random number to decide which strikes first and follow the above examples for that player
 - The round continues until there is a winner
 - **hint:** the round continues while neither hit points is 0 or less

- After all the rounds are complete
 - Print the final scores
 - Determine which Player has the highest number of wins
 - Print that Player has won the game

Pokemon stats resource: <https://pokedex.net/pokemondb.net/pokedex/all>

Zip and submit the **project folder**.

Example output:

```
POKEMON BATTLE
Enter odd number of rounds: 3

Round 1
-----
Player 1: Select a Pokemon and enter its stats
Enter name:
Bulbasaur
Enter HP:
45
Enter move:
Tackle
Enter move's power:
40
Enter attack speed:
65

Player 2: Select a Pokemon and enter its stats
Enter name:
Charmander
Enter HP:
39
Enter move:
Ember
Enter move's power:
40
Enter attack speed:
65
Player 1's Bulbasaur wins this round!

Wins
----
Player 1: 1
Player 2: 0

Round 2
-----
Player 1: Select a Pokemon and enter its stats
```

```
Round 2
-----
Player 1: Select a Pokemon and enter its stats
Enter name:
Bulbasaur
Enter HP:
45
Enter move:
Vine whip
Enter move's power:
45
Enter attack speed:
65

Player 2: Select a Pokemon and enter its stats
Enter name:
Charmeleon
Enter HP:
58
Enter move:
Dragon breath
Enter move's power:
60
Enter attack speed:
80
Player 2's Charmeleon wins this round!

Wins
----
Player 1: 1
Player 2: 1

Round 3
-----
Player 1: Select a Pokemon and enter its stats
```

```
Enter name:
Ivysaur
Enter HP:
60
Enter move:
Take down
Enter move's power:
90
Enter attack speed:
80

Player 2: Select a Pokemon and enter its stats
Enter name:
Charizard
Enter HP:
78
Enter move:
Fire spin
Enter move's power:
35
Enter attack speed:
84
Player 1's Ivysaur wins this round!
Final Scores
-----
Player 1: 2
Player 2: 1

Player 1 wins the game!
```