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Test Scripts

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Test Scripts: Manage Data

Function Name	#	Description	Sample Input Data	Expected Output	Actual Output	P/F
addEntry	1	Adding a Pokemon that doesn't exist yet	inName: Pikachu cPokeType: e cDescription: An electric mouse Pokémon.	Entry # <temp> Pokemon Name: Pikachu Pokemon Type: Electric Pokemon Description: An electric mouse Pokemon.	Entry # <temp> Pokemon Name: Pikachu Pokemon Type: Electric Pokemon Description: An electric mouse Pokemon.	P
	2	Inputting a pokemon name that is already existing in the Pokedex	inName: Pikachu cPokeType: e cDescription: An electric mouse Pokémon.	OOPS! THIS POKEMON ALREADY EXISTS	OOPS! THIS POKEMON ALREADY EXISTS	P
	3	Pokemon Type character input is not within the available pokemon types	cPoketype: o	User will be prompted until lowercase inputs with corresponding functions are inputted	SELECT POKEMON TYPE [W] WATER [F] FIRE [G] GRASS [E] ELECTRIC	P

	4	Pokemon Type character input is capitalized.	cPoketype: F	User will be prompted until lowercase inputs with corresponding functions are inputted	SELECT POKEMON TYPE [W] WATER [F] FIRE [G] GRASS [E] ELECTRIC	P
deleteEntry	1	Deleting an existing entry.	nPkCtr contains: 15 Entry to be Deleted: 1	ENTRY #1 POKEMON NAME: PIKACHU POKEMON TYPE: ELECTRIC POKEMON DESCRIPTION: An Electric Mouse Pokemon. ENTRY #1 IS SUBJECT FOR DELETION ARE YOU SURE TO DELETE ENTRY #1? [Y] YES [N] NO	ENTRY #1 POKEMON NAME: PIKACHU POKEMON TYPE: ELECTRIC POKEMON DESCRIPTION: An Electric Mouse Pokemon. ENTRY #1 IS SUBJECT FOR DELETION ARE YOU SURE TO DELETE ENTRY #1? [Y] YES [N] NO	P
	2	Deleting an entry above the number of existing entries	nPkCtr contains: 10 Deleting: 15	ENTRY DOES NOT EXIST!	ENTRY DOES NOT EXIST!	P

	3	Deleting a negative entry number	nPkCtr contains: 4 Deleting: -1	ENTRY DOES NOT EXIST!	ENTRY DOES NOT EXIST!	P
	4	Deleting Entry number 0	nPkCtr contains: 4 Deleting: 0	ENTRY DOES NOT EXIST!	ENTRY DOES NOT EXIST!	P
	5	Trying to Delete in an empty Pokedex	nPkCtr contains: 0	NO ENTRIES TO DELETE FROM	NO ENTRIES TO DELETE FROM	P
modifyEntry	1	Modifying a name that already exists in a pokedex	Already Existing Pokemon Name: Pokemon Enter edited name: Pikachu	THIS POKEMON ALREADY EXISTS!	THIS POKEMON ALREADY EXISTS!	P
	2	Modifying the name with the same name	Entry's Pokemon Name to be Modified: Pikachu Enter edited name: Pikachu	THIS POKEMON ALREADY EXISTS!	THIS POKEMON ALREADY EXISTS!	P
	3	Modifying type in a capitalized character key	Enter edited name: PIKACHU	EDITED POKEMON NAME: PIKACHU	EDITED POKEMON NAME: PIKACHU	P

displayAllEntries	1	Triggering function when no existing entries	nPkCtr = 0; *triggers Display All Entries*	NO ENTRIES FOUND TO DISPLAY	NO ENTRIES FOUND TO DISPLAY	P.
	2	Triggering function when there are already existing entries	nPkCtr = 5; *triggers Display All Entries*	Entry # <temp> Pokemon Name: <temp> Pokemon Type: <temp> Pokemon Description: <temp> [P] PREVIOUS [N] NEXT [X] EXIT	Entry # <temp> Pokemon Name: <temp> Pokemon Type: <temp> Pokemon Description: <temp> [P] PREVIOUS [N] NEXT [X] EXIT	P
searchPokeByName	1	Searching an existing Pokemon	ENTER NAME OF POKEMON: Pikachu	Entry # <temp> Pokemon Name: Pikachu Pokemon Type: Electric Pokemon Description: <temp>	Entry # <temp> Pokemon Name: Pikachu Pokemon Type: Electric Pokemon Description: <temp>	P
	2	Searching a Pokemon that does not exists	ENTER NAME OF POKEMON: Pikachu	OOPS! THIS POKEMON DOESN'T EXIST!	OOPS! THIS POKEMON DOESN'T EXIST!	P

	3	Searching for a substring of a Pokemon name.	ENTER NAME OF POKEMON: chu Existing entries: Pikachu, Raichu	Entry # <temp> Pokemon Name: Pikachu … Entry # <temp> Pokemon Name: Raichu	Entry # <temp> Pokemon Name: Pikachu … Entry # <temp> Pokemon Name: Raichu	P
searchPokeByType	1	Searching for pokemon type with Pokemon Counter set to 0	nPkCtr = 0 SELECT POKEMON TYPE: f (Fire)	OOPS! THIS POKEMON DOESN'T EXIST	OOPS! THIS POKEMON DOESN'T EXIST	P
	2	Searching for an existing Pokemon	nPkCtr = 5 SELECT POKEMON TYPE: f (Fire)	Entry # <temp> Pokemon Name: Charizard Pokemon Type: Fire …	Entry # <temp> Pokemon Name: Charizard Pokemon Type: Fire …	P
	3	Searching for a type that doesn't exist	nPkCtr = 5 SELECT POKEMON TYPE: H (non-existent)	Users will be asked to select again.	Users will be asked to select again.	P
Search	1	Searching for an existing pokemon	key contains: chu Pokedex contains: pikachu, charizard, squirtle	1	1	P

	2	Searching for a not existing pokemon	key contains: metapod Pokedex contains: pikachu,charizard, squirtle	-1	-1	P
	3	Searching for an existing pokemon but the key searched has a different capitalization.	key contains: PIKACHU Pokedex contains: pikachu,charizard, squirtle	-1	-1	P
export	1	Exporting with entries within the possible range and a file name in small capital letters	Pokedex contains: Name: Pikachu Type: Electric Description: Ash's Pokemon	Name: Pikachu Type: Electric Description: Ash's Pokemon	Name: Pikachu Type: Electric Description: Ash's Pokemon	P
	2	Exporting an empty pokedex	PokeDex contains: { } ENTER A FILENAME (EXCLUDE .txt): test.txt	test.txt will have nothing in it.	test.txt will have nothing in it.	P
import	1	Importing .txt files with the Pokemon Counter	Number of Entries to be Imported: 150	nPkCtr = 150	nPkCtr = 150	P

		(nPkCtr) set to 0				
	2	Importing .txt files with the Pokemon Counter (nPkCtr) having existing entries	*suppose the nPkCtr == 4* Number of Entries to be Imported: 147	*Invalid Input since nPkCtr will exceed 150*	*Invalid Input since nPkCtr will exceed 150*	P
	3	Importing .txt files with the Pokemon Counter (nPkCtr) having existing entries	*suppose the nPkCtr == 4* Number of Entries to be Imported: 10	nPkCtr = 14	nPkCtr = 14	P
	4	Verifying imported entries	Imported Results Name: Pikachu Type: Electric Description: Ash's Pokemon [Y] Import [N] Skip Input: 'y'	IMPORT SUCCESSFUL! nPkCtr++;	IMPORT SUCCESSFUL! nPkCtr++;	P
	5	Verifying imported entries	Imported Results Name: Pikachu Type: Electric Description: Ash's Pokemon	IMPORT SKIPPED!	IMPORT SKIPPED!	P

			[Y] Import [N] Skip Input: ‘n’			
searchImport	1	There are duplicate imports (existing entries)	*Pikachu is an existing entry* Imported Result: Name: Pikachu	Return found = 1 (duplicate)	Return found = 1 (duplicate)	P
	2	There are no duplicate imports (existing entries)	*Pikachu is not an existing entry* Imported Result: Name: Pikachu	Return found = -1 (no duplicate)	Return found = -1 (no duplicate)	P

Test Scripts: Research Functions

Function Name	#	Description	Sample Input Data	Expected Output Data	Actual Output	P/F
reviewResearchPerPokemon	1	Reviewing a pokemon with non-modified research tasks	Accessing entry no: 1 pikachu Seen: 0 Defeated: 0	ENTRY #1 POKEMON NAME: pikachu SEEN: 0 DEFEATED: 0	ENTRY #1 POKEMON NAME: pikachu SEEN: 0 DEFEATED: 0	P

	2	Reviewing a pokemon with all updated research tasks.	Accessing entry no: 1 pikachu Seen: 20 Defeated: 35	POKEMON NAME: pikachu SEEN: 20 DEFEATED: 35	POKEMON NAME: pikachu SEEN: 20 DEFEATED: 35	P
	3	Reviewing a pokemon with only one updated research task	Accessing entry no: 1 pikachu Seen: 20 Defeated: 0	ENTRY #1 POKEMON NAME: pikachu SEEN: 20 DEFEATED: 0	ENTRY #1 POKEMON NAME: pikachu SEEN: 20 DEFEATED: 0	P
	4	Reviewing a not existing entry number. (Outside the range of the total number of entries.)	Pokedex contains 5 entries. Accessing entry number: 99	OOPS! THIS ENTRY DOESN'T EXIST.	OOPS! THIS ENTRY DOESN'T EXIST	P
	5	Calling the Function with an empty Pokedex	nPkCtr: 0	NO ENTRIES FOUND	NO ENTRIES FOUND	P

reviewResearchPerType	1	Reviewing a Research Task Type with all pokemons' data valued at 0.	nPkCtr contains: 6 Type:2 [Defeated] [PokemonIndex] [0]pikachu: 0 [1]squirtle: 0 [2]charizard: 0 [3]treeko: 0 [4]metapod: 0 [5]vulpix: 0	NO MATCHES FOUND	NO MATCHES FOUND	P
	2	Reviewing a Research Task Type with a mix of modified and un-modified data.	nPkCtr contains: 6 Type:2 [Defeated] [PokemonIndex] [0]pikachu: 0 [1]squirtle: 2 [2]charizard:5 [3]treeko: 0 [4]metapod: 0 [5]vulpix: 10	ENTRY #2 POKEMON NAME: squirtle SEEN: 4 ENTRY #3 POKEMON NAME: charizard SEEN: 5 ENTRY #6 POKEMON NAME: vulpix	ENTRY #2| POKEMON NAME: squirtle SEEN: 4 ENTRY #3 POKEMON NAME: charizard SEEN: 5 ENTRY #6 POKEMON NAME: vulpix SEEN: 10	P

				SEEN: 10		
	3	Review a Research Task Type with all of the data of existing pokemon entries greater than 0.	nPkCtr contains: 6 Type:2 [Defeated] [PokemonIndex] [0]pikachu: 1 [1]squirtle: 2 [2]charizard:75 [3]treeko: 10 [4]metapod: 20 [5]vulpix: 10	ENTRY #1 POKEMON NAME: pikachu SEEN: 1 ENTRY #2 POKEMON NAME: squirtle SEEN: 4 ENTRY #3 POKEMON NAME: charizard SEEN: 75 ENTRY #4 POKEMON NAME: treeko SEEN: 10 ENTRY #5	ENTRY #1 POKEMON NAME: pikachu SEEN: 1 ENTRY #2 POKEMON NAME: squirtle SEEN: 4 ENTRY #3 POKEMON NAME: charizard SEEN: 75 ENTRY #4 POKEMON NAME: treeko SEEN: 10 ENTRY #5	P

				POKEMON NAME: metapod SEEN: 20 ENTRY #6 POKEMON NAME: vulpix SEEN: 10	POKEMON NAME: metapod SEEN: 20 ENTRY #6 POKEMON NAME: vulpix SEEN: 10	
updateReseaRchTask	1	Updating a Research Task of a Pokemon that is not modified	Updating [Seen] inType = 1 Updating entry no: 2 squirtle Seen: 0 Defeated: 0 nValue: 10	UPDATED ENTRY ENTRY #2 POKEMON NAME squirtle SEEN: 10 DEFEATED: 0	UPDATED ENTRY ENTRY #2 POKEMON NAME squirtle SEEN: 10 DEFEATED: 0	P

	2	Updating a Research Task of a Pokemon that is already modified	Updating [Defeated] inType = 2 Updating entry no: 2 squirtle Seen: 10 Defeated: 8 nValue: 2	UPDATED ENTRY ENTRY #2 POKEMON NAME squirtle SEEN: 10 DEFEATED: 10	UPDATED ENTRY ENTRY #2 POKEMON NAME squirtle SEEN: 10 DEFEATED: 10	P
	3	Inputting 0 in updating a Research Task of a Pokemon	Updating [Seen] inType = 1 Updating entry no: 2 squirtle Seen: 10 Defeated: 0 nValue: 0	UPDATED ENTRY ENTRY #2 POKEMON NAME squirtle SEEN: 10 DEFEATED: 0	UPDATED ENTRY ENTRY #2 POKEMON NAME squirtle SEEN: 10 DEFEATED: 0	P

	4	Inputting a negative number in updating a Research Task of a Pokemon	Updating [Seen] inType = 1 Updating entry no: 5 metapod Seen: 25 Defeated: 13 nValue: -1	!! YOU CANNOT DECREMENT !! // PRESS ANY KEY TO CONTINUE //	!! YOU CANNOT DECREMENT !! // PRESS ANY KEY TO CONTINUE //	P
	5	Updating without any entries	nPkCtr: 0 Updating: Seen	NO ENTRIES FOUND	NO ENTRIES FOUND	P
showTopFive	1	Calling the function with sufficient pokemon entries that contains positive integer data for each pokemon.	nPkCtr contains: 6 Type:1 [Seen] [PokemonIndex] [0]pikachu: 5 [1]squirtle: 10 [2]charizard: 15 [3]treeko: 20 [4]metapod: 25 [5]vulpix: 30	A[ENTRYMAX] = {5,4,3,2,1,0,6,7,8,9,10,.....} || ENTRY NO. 6 || POKEMON NAME: vulpix SEEN: 30 || ENTRY NO. 5 || POKEMON NAME: metapod	|| ENTRY NO. 6 || POKEMON NAME: vulpix SEEN: 30 || ENTRY NO. 5 || POKEMON NAME: metapod SEEN: 25	P

				SEEN: 25 || ENTRY NO. 4 || POKEMON NAME: treeko SEEN: 20 || ENTRY NO. 3 || POKEMON NAME: charizard SEEN: 15 || ENTRY NO. 2 || POKEMON NAME: squirtle SEEN: 10	|| ENTRY NO. 4 || POKEMON NAME: treeko SEEN: 20 || ENTRY NO. 3 || POKEMON NAME: charizard SEEN: 15 || ENTRY NO. 2 || POKEMON NAME: squirtle SEEN: 10	
	2	Calling the function with sufficient pokemon entries but less than 5 pokemon contain data	Type:2 [Defeated] [PokemonIndex] [0]pikachu: 0 [1]squirtle: 0	|| ENTRY NO. 6 || POKEMON NAME: vulpix DEFEATED: 13	|| ENTRY NO. 6 || POKEMON NAME: vulpix DEFEATED: 13	P

		greater than 0	[2]charizard: 3 [3]treeko: 0 [4]metapod: 0 [5]vulpix: 13	|| ENTRY NO. 3 || POKEMON NAME: charizard DEFEATED: 3	|| ENTRY NO. 3 || POKEMON NAME: charizard DEFEATED: 3	
	3	Calling the function on a Pokedex containing a some pokemon entries but all of their data is equal to 0	nPkCtr contains: 6 Type:2 [Defeated] [PokemonIndex] [0]pikachu: 0 [1]squirtle: 0 [2]charizard: 0 [3]treeko: 0 [4]metapod: 0 [5]vulpix: 0	NO TOP FIVE POKEMONS	NO TOP FIVE POKEMONS	P
	4	Calling the function with more than 5 entries with the same highest valued data	nPkCtr contains: 6 Type:2 [Defeated] [PokemonIndex] [0]pikachu: 13 [1]squirtle: 13	Index will not change, it wil only print index 0 to 4	|| ENTRY NO. 1 || POKEMON NAME: pikachu DEFEATED: 13	P

			[2]charizard: 13 [3]treeko: 13 [4]metapod: 13 [5]vulpix: 13		|| ENTRY NO. 2 || POKEMON NAME: squirtle DEFEATED: 13 || ENTRY NO. 3 || POKEMON NAME: charizard DEFEATED: 13 || ENTRY NO. 4 || POKEMON NAME: treeko DEFEATED: 13 || ENTRY NO. 5 || POKEMON NAME: metapod DEFEATED: 13	

	5	Calling the function without any existing entry	nPkCtr contains: 0	NO TOP FIVE POKEMONS	NO TOP FIVE POKEMONS	P