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S17

Function test Cases

FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
CheckDup	1	This functions checks if there are any pegs that are a duplicate or repeating it returns 0 when there are duplicates and returns 1 if there are none	1 2 3 4	1	1	P
CheckDup	2		1 3 1 5	0	0	P
CheckDup	3		1 7 2 4	1	1	P

FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
CheckingPlace	1	This functions checks if the peg inputs (c1, c2, c3, c4) is part of the code and if they are in the right placement if a peg is correct and in the right place 'B' will be printed if a peg is correct but not in the right place 'W' will be printed	1 2 3 4 (secret) 3 2 6 1 (guess)	B W W	B W W	P
CheckingPlace	2		1 2 3 4 (secret) 1 2 3 4 (guess)	B B B B	B B B B	P
CheckingPlace	3		1 2 3 4 (secret) 4 3 2 1 (guess)	W W W W	W W W W	P

FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
CheckRight	1	it checks if the received guess (guess) of the computer matches the correct peg in the same placement	1 (actual peg) 2 (guess)	0	0	P
CheckRight	2		1 (actual peg) e	0	0	P

			(guess)			
CheckRight	3		1 (actual peg)	1	1	P
			1 (guess)			

FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
CheckPegs	1	This functions checks if the pegs are in the range of 1 - 6 and check its validity it returns 1 (valid) if it is and 0 (invalid) if not	1 2 3 4	1	1	P
CheckPegs	2		1 3 1 5	1	1	P
CheckPegs	3		1 7 2 4	0	0	P

FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
CheckScores	1	his function compares the scores of the players after the agreed upon rounds and prints the winner of the game	23 (a score)	Congratulations You Win!!	Congratulations You Win!!	P
			20 (b score)			
CheckScores	2		20 (a score)	It's a tie, Good Game!	It's a tie, Good Game!	P
			20 (b score)			
CheckScores	3		19 (a score)	Computer AI won, Better luck next time!	Computer AI won, Better luck next time!	P
			20 (b score)			

FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
NumGames	1	This function requests the player to input the number of games they wished to play; the player only have to choose between even numbers from 2-10	2	2	2	P
NumGames	2		4	4	4	P

NumGames	3	if it does not receive an even number then the player will be asked to input again until the number is valid	5	Invalid Input! please try again...	Invalid Input! please try again...	P
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FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
PlayerRound	1	Function for the game wherein the AI is the code maker and the human player is the code breaker	1 2 3 4 (secret code) 1 3 4 5 (guess)	B W W Attempt[n] Guess: _	B W W Attempt[n] Guess: _	P
PlayerRound	2		1 3 6 5 (secret code) 1 3 6 5 (guess)	B B B B End of round [n] Score: [n]	B B B B End of round [n] Score: [n]	P
PlayerRound	3		1 3 6 5 (secret code) 1 7 2 4 (guess)	invalid input Attempt[n] Guess: _	invalid input Attempt[n] Guess: _	P

FUNCTION	#	DESCRIPTION	SAMPLE INPUT	EXPECTED OUTPUT	ACTUAL OUTPUT	P/F
ComputerRound	1	Function for the game wherein the human player is the code maker and the AI is the code breaker	1 2 3 4 (secret code) 1 3 4 5 (guess)	B W W Attempt[n] Guess: _	B W W Attempt[n] Guess: _	P
ComputerRound	2		1 3 6 5 (secret code) 1 3 6 5 (guess)	B B B B End of round [n] Score: [n]	B B B B End of round [n] Score: [n]	P
ComputerRound	3		1 3 6 5 (secret code) 1 7 2 4 (guess)	invalid input Attempt[n] Guess: _	invalid input Attempt[n] Guess: _	P