ID - 12205540

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FUNCTION TEST #1

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
check_answer	1	Checks number of Correct pegs (EASY DIFF)	1 4 5 6	(Assume SECRET Code = 1 4 5 6) B B B B	B B B B	P
check_answer	2	Checks number of Correct pegs (EASY DIFF)	1 2 3 4	(Assume SECRET Code = 3 6 2 4) B X X	B X X	P
check_answer	3	Checks number of Correct pegs (EASY DIFF)	1 6 7 2	(Assume SECRET Code = 3 6 2 4) Use 1 - 6 for your guesses	Use 1 - 6 for your guesses	P

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FUNCTION TEST #1

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
check_answer	4	Checks number of Correct pegs (EASY DIFF)	1 5 -2 3	(Assume SECRET Code = 3 6 2 4) Use 1 - 6 for your guesses	Use 1 - 6 for your guesses	P
check_answer	5	Checks number of Correct pegs (EASY DIFF)	1 3 3 5	(Assume SECRET Code = 2 1 6 4) Try again! No Duplicates :(	Try again! No Duplicates :(	P
check_answer	6	Checks number of Correct pegs (EASY DIFF)	1 2 4 6	(Assume SECRET Code = 2 1 6 4) X X X X	X X X X	P

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FUNCTION TEST #2

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
check_answer	1	Checks how many attempts and ends round after 10 attempts (EASY DIFF)	(input 10 incorrect guesses)	You lose! The answer is... (SECRET CODE)	You lose! The answer is... (SECRET CODE)	P
check_answer	2	Checks how many attempts and ends round after 10 attempts (EASY DIFF)	(Correctly guesses at attempt 5)	CONGRATULATIONS! YOU GOT THE CODE!	CONGRATULATIONS! YOU GOT THE CODE!	P
check_answer	3	Checks how many attempts and ends round after 10 attempts (EASY DIFF)	(Correctly guesses at attempt 10)	CONGRATULATIONS! YOU GOT THE CODE!	CONGRATULATIONS! YOU GOT THE CODE!	P

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FUNCTION TEST #3

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
AI-kun	1	Checks codemaker's code (EASY DIFF)	5 2 1 3	(AI randomly guesses code)	(AI randomly guesses code)	P
AI-kun	2	Checks codemaker's code (EASY DIFF)	1 5 5 4	Your Code (use spaces in between):	Your Code (use spaces in between):	P
AI-kun	3	Checks codemaker's code (EASY DIFF)	1 6 7 4	Your Code (use spaces in between):	Your Code (use spaces in between):	P
AI-kun	4	Checks codemaker's code (EASY DIFF)	-5 -6 2 4	Your Code (use spaces in between):	Your Code (use spaces in between):	P

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FUNCTION TEST #4

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
AI-kun	1	Randomize 4 different digits (EASY DIFF)	N/A	(e.g. 1 2 3 4 or 1 5 6 4 or 2 5 6 1 etc.)	4 2 3 6	P
AI-kun	2	Randomize 4 different digits (AVERAGE DIFF)	N/A	(e.g. 1 7 8 2 etc.)	2 6 5 8	P
AI-kun	3	Randomize 4 different digits (DIFFICULT DIFF)	N/A	(e.g. 1 7 8 2 etc.)	10 9 8 7	P
AI-kun	4	Randomize 4 different digits (EXTREME DIFF)	N/A	(e.g. 1 7 8 2 etc.)	16 14 3 9	P

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FUNCTION TEST #5

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
AI-kun	1	Checks how many attempts and ends round after 10 attempts (EASY DIFF)	(Correctly guesses at attempt 4)	AI-kun got the code!	AI-kun got the code!	P
AI-kun	2	Checks how many attempts and ends round after 10 attempts (EASY DIFF)	(Incorrectly guessed 10 times)	AI-KUN LOSES! :(	AI-kun got the code!	F
AI-kun	3	Checks how many attempts and ends round after 10 attempts (EASY DIFF)	(Incorrectly guessed 10 times)	AI-KUN LOSES! :(	AI-KUN LOSES! :(	P

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FUNCTION TEST #6

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
num_game	1	Checks how many games Player wants to play	2	[check_answer] && (score of that round) && [AI-kun] && (score of that round)	[check_answer] && (score of that round) && [AI-kun] && (score of that round)	P
num_game	2	Checks how many games Player wants to play	5	Try Again! How many games do you wanna play: Choice:	Try Again! How many games do you wanna play: Choice:	P
num_game	3	Checks how many games Player wants to play	-1	Try Again! How many games do you wanna play: Choice:	Try Again! How many games do you wanna play: Choice:	P
num_game	4	Checks how many games Player wants to play	18	Try Again! How many games do you wanna play: Choice:	Try Again! How many games do you wanna play: Choice:	P

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FUNCTION TEST #7

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
compare_score	1	Checks all accumulated points for AI and Player	p_score = 16 ai_score = 12	Player One Wins!	Player One Wins!	P
compare_score	2	Checks all accumulated points for AI and Player	p_score = 9 ai_score = 15	AI-kun Wins!	AI-kun Wins!	P
compare_score	3	Checks all accumulated points for AI and Player	p_score = 18 ai_score = 18	It's a TIE!	It's a TIE!	P

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FUNCTION TEST #8

Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
main	1	Shows Main Screen and checks what the User wants to do	1	(Allows player to choose difficulty)	(Allows player to choose difficulty)	P
main	2	Shows Main Screen and checks what the User wants to do	2	rules_of_the_game(); (Allows Player to either go back to main screen or Play Mastermind)	rules_of_the_game(); (Allows Player to either go back to main screen or Play Mastermind)	P
main	3	Shows Main Screen and checks what the User wants to do	3	BYE BYE!!	BYE BYE!!	P

FUNCTION TEST #9

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Function	#	Description	Sample input data	Expected Output	Actual Output	P/F
main	1	Checks which difficulty Player wants to play	1	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	P
main	2	Checks which difficulty Player wants to play	2	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	P
main	3	Checks which difficulty Player wants to play	3	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	P
main	4	Checks which difficulty Player wants to play	4	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	[num_game] && [compare_score] (values is declared for variables attempt, max, etc.	P
main	5	Checks which difficulty Player wants to play	more than 4 or less than 1	Break	Break	P