

Golf Scorecard Project Summary

Florida is known as the golf capital of the world, for its beautiful weather and the 1,400 golf courses we have.

Typical single **group** of **golfing** friends will contain two, three or four people. When playing they keep track of their score using a scorecard that is provided by the golf course. This scorecard contains information regarding the different tees and pars which is the standard number of golf strokes it takes to complete one hole. In tournaments, they use what is called the leaderboard, which displays the cumulative score (total strokes) each player has and the total par score known as under/over (+/-).

I developed a program in Python where it would provide players the ability to keep track of their scorecard and display the leaderboard. This is very useful for golfer players especially in tournaments.

My program's Main menu provides 3 options:

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Main Menu
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1.- Start Game.
2.- Save Score Card to text file.
3.- Close program.

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Option 1.- Start Game: This option asks the user how many players will be on the scorecard and their names:

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Enter option [1, 2 or 3]: 1
How many players? [min. 1; max. 4 players]: 2

Player 1 name: Dee
Player 2 name: Joshua

Your round of golf has started. Type 0 at anytime to go back to the Main Menu. Have fun!
Please press enter to continue...

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Once players are set up, it will display the scorecard and prompt them to enter the score for the current hole. As they continue adding scores, the scorecard and leaderboard will be updated as follows:

Hole	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total	+/-
Blue Tee	500	340	165	320	345	360	195	370	520	395	410	510	405	140	395	180	500	410	6460	
White Tee	480	325	140	300	330	340	165	340	500	375	395	495	355	120	380	160	480	390	6070	
Gold Tee	455	300	120	275	300	310	140	310	470	350	370	470	330	110	350	130	450	360	5690	
Red Tee	375	280	120	220	235	270	135	300	420	300	330	410	240	185	290	140	395	310	4875	
Par	5	4	3	4	4	4	3	4	5	4	4	5	4	3	4	3	5	4	5	
Dee	5																		5	0
Joshua																			4	-1

Hole 2, Par 4 (Type 0 to go to Main Menu.)

Player Dee enter score: |

Players at any time can go back to the **Main Menu** by entering a score of 0.

Option 2.- Save scorecard to a text file: This option gives the players the feature to save their scorecard and leaderboard to a text file. The file name format used is: **score_card_mmddyyyy_hms.txt**

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Main Menu
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1.- Start Game.
2.- Save Score Card to text file.
3.- Close program.

Enter option [1, 2 or 3]: 2

File with score card has been created. File name: score_card_06242020_153520.txt
Press enter to continue.

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The file looks as follows:

score_card_06242020_153520.txt - Notepad

File Edit Format View Help

Hole	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	Total	+/-
Blue Tee	500	340	165	320	345	360	195	370	520	395	410	510	405	140	395	180	500	410	6460	
White Tee	480	325	140	300	330	340	165	340	500	375	395	495	355	120	380	160	480	390	6070	
Gold Tee	458	303	128	278	308	318	143	318	478	353	373	473	333	110	358	138	458	368	5696	
Red Tee	375	280	120	220	235	270	135	300	420	300	330	410	240	105	290	140	395	310	4875	
Par	5	4	3	4	4	4	3	4	5	4	4	5	4	3	4	3	5	4	72	
Dee	5	5	3	3	5	3	2	1	2	3	12	2	2	4	1	3	3	4	63	-9
Joshua	4	4	4	4	4	4	2	3	14	2	3	1	3	2	2	2	2	2	62	-10

Option 3.- Close program: Program ends.