

# GROUP PROJECT



## CRICKET ALLSTARS MANAGEMENT SYSTEM



## SUBMITTED BY

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# **ACKNOWLEDGEMENT**

**W**e undertook this project as a part of class 12th computer science course. We had tried to apply our best knowledge and experience gained during the study and classwork experience. However developing software system is generally quite a complex and time consuming process.

It requires a systematic study, insight vision, and professional approach during the design and development. Moreover the developer always feels the need, the help, and the good wishes of the people near you who have considerable experience and knowledge.

We would like to take this opportunity to extend our sincere gratitude to our teacher Mr. Rajesh Sethi and our parents for being the source of inspiration and providing time and freedom to develop the software project in a way that helped us not only apply the skills learnt till now, but also gain valuable experience on some real world applications. We also feel indebted to each other for our valuable suggestions during this project work thus helping it make so much more interesting.

# ***INTRODUCTION***

The Cricket All Star Management system allows you to stay updated with the Game and get every information about your Favourite player incorporated with a fun A.I. powered game.

Having been deeply fascinated with the world of cricket, we always felt the need to INTRODUCTION be updated with the current statistics and that is what we provide to our users: A project with the latest ICC database with more than 3000 records including each and every player who has ever donned the cap for his country. With the broad number of fields ranging from Average to the number of hundreds, we provide you a free space to explore and dive deep into the statistics and make your own analysis.

With the aim of making your fantasies come to life, we allow you to modify the database as per your need. You can even create your own player using the add function with the click of a button giving inputs from the number runs you have scored to the number of centuries. You could also delete a player or modify the number of zeroes your favourite player has.

The highlight of the project is our ALL STAR GAME, A game where you compete against computer's Artificial Intelligence. It is time to put your cricketing knowledge to use and select 5 players out of the 10 automatically provided ones. Your goal is to ensure that you pick players that have performed to their best potential in the amount of matches they have played.

This project is a small effort from us to bring the two worlds we hold so close to our heart: THE WORLD OF TECHNOLOGY AND THE WORLD OF CRICKET. We remember the time we use to collect and play cricket attack cards, so come on and let's bring that time back and show our passion and Bleed Blue.

Tables_in_project	
ICC	
Player1	
Players	

# DATABASE

DATABASE NAME : PROJECT

TABLE NAME : ICC

PID	Name	Matches	Innings	Runs	Average	Hundreds	Fifties	Zeroes
1	SR Tendulkar (INDIA)	200	329	15921	53.78	51	68	14
2	RT Ponting (AUS)	168	287	13378	51.85	41	62	17
3	JH Kallis (ICC/SA)	166	280	13289	55.37	45	58	16
4	R Dravid (ICC/INDIA)	164	286	13288	52.31	36	63	8
5	AN Cook (ENG)	161	291	12472	45.35	33	57	9
6	KC Sangakkara (SL)	134	233	12400	57.4	38	52	11
7	BC Lara (ICC/WI)	131	232	11953	52.88	34	48	17
8	S Chanderpaul (WI)	164	280	11867	51.37	30	66	15
9	DPMD Jayawardene (SL)	149	252	11814	49.84	34	50	15
10	AR Border (AUS)	156	265	11174	50.56	27	63	11
11	SR Waugh (AUS)	168	260	10927	51.06	32	50	22
12	SM Gavaskar (INDIA)	125	214	10122	51.12	34	45	12
13	Younis Khan (PAK)	118	213	10099	52.05	34	33	19
14	HM Amla (SA)	124	215	9282	46.64	28	41	13
15	GC Smith (ICC/SA)	117	205	9265	48.25	27	38	11
16	GA Gooch (ENG)	118	215	8900	42.58	20	46	13
17	Javed Miandad (PAK)	124	189	8832	52.57	23	43	6
18	Inzamam-ul-Haq (ICC/PAK)	120	200	8830	49.6	25	46	15
19	VVS Laxman (INDIA)	134	225	8781	45.97	17	56	14
20	AB de Villiers (SA)	114	191	8765	50.66	22	46	8
21	MJ Clarke (AUS)	115	198	8643	49.1	28	27	9
22	ML Hayden (AUS)	103	184	8625	50.73	30	29	14
23	V Sehwag (ICC/INDIA)	104	180	8586	49.34	23	32	16
24	IVA Richards (WI)	121	182	8540	50.23	24	45	10
25	AJ Stewart (ENG)	133	235	8463	39.54	15	45	14
26	DI Gower (ENG)	117	204	8231	44.25	18	39	7
27	KP Pietersen (ENG)	104	181	8181	47.28	23	35	10
28	G Boycott (ENG)	108	193	8114	47.72	22	42	10
29	GS Sobers (WI)	93	160	8032	57.78	26	30	12
30	ME Waugh (AUS)	128	209	8029	41.81	20	47	19
31	MA Atherton (ENG)	115	212	7728	37.69	16	46	20
32	IR Bell (ENG)	118	205	7727	42.69	22	46	14
33	JL Langer (AUS)	105	182	7696	45.27	23	30	11
34	MC Cowdrey (ENG)	114	188	7624	44.06	22	38	9
35	CG Greenidge (WI)	108	185	7558	44.72	19	34	11
36	Mohammad Yousuf (PAK)	90	156	7530	52.29	24	33	11
37	MA Taylor (AUS)	104	186	7525	43.49	19	40	5
38	CH Lloyd (WI)	110	175	7515	46.67	19	39	4
39	DL Haynes (WI)	116	202	7487	42.29	18	39	10
40	DC Boon (AUS)	107	190	7422	43.65	21	32	16
41	JE Root (ENG)	89	164	7359	48.41	17	45	8
42	G Kirsten (SA)	101	176	7289	45.27	21	34	13
43	WR Hammond (ENG)	85	140	7249	58.45	22	24	4
44	CH Gayle (WI)	103	182	7214	42.18	15	37	15
45	SC Ganguly (INDIA)	113	188	7212	42.17	16	35	13
46	V Kohli (INDIA)	84	141	7202	61	27	22	10
47	SP Fleming (NZ)	111	189	7172	40.06	9	46	16
48	SPD Smith (AUS)	72	130	7164	62.84	26	28	4
49	LRPL Taylor (NZ)	98	173	7130	46.6	19	33	14
50	GS Chappell (AUS)	87	151	7110	53.86	24	31	12
51	DA Warner (AUS)	83	153	7088	48.21	23	30	9
52	AJ Strauss (ENG)	100	178	7037	40.91	21	27	15
53	DG Bradman (AUS)	52	80	6996	99.94	29	13	7
54	ST Jayasuriya (SL)	110	188	6973	40.07	14	31	15
55	L Hutton (ENG)	79	138	6971	56.67	19	33	5
56	DB Vengsarkar (INDIA)	116	185	6868	42.13	17	35	15

57	KF Barrington (ENG)	82	131	6806	58.67	20	35	5
58	GP Thorpe (ENG)	100	179	6744	44.66	16	39	12
59	BB McCullum (NZ)	101	176	6453	38.64	12	31	14
60	KS Williamson (NZ)	78	137	6379	51.44	21	31	9
61	PA de Silva (SL)	93	159	6361	42.97	20	22	7
62	MEK Hussey (AUS)	79	137	6235	51.52	19	29	12
63	RB Kanhai (WI)	79	137	6227	47.53	15	28	7
64	M Azharuddin (INDIA)	99	147	6215	45.03	22	21	5
65	HH Gibbs (SA)	90	154	6167	41.95	14	26	11
66	RN Harvey (AUS)	79	137	6149	48.41	21	24	7
67	GR Viswanath (INDIA)	91	155	6080	41.93	14	35	10
68	RB Richardson (WI)	86	146	5949	44.39	16	27	8
69	Azhar Ali (PAK)	77	146	5885	42.64	16	31	14
70	RR Sarwan (WI)	87	154	5842	40.01	15	31	12
71	ME Trescothick (ENG)	76	143	5825	43.79	14	29	12
72	DCS Compton (ENG)	78	131	5807	50.06	17	28	10
73	Saleem Malik (PAK)	103	154	5768	43.69	15	29	12
74	N Hussain (ENG)	96	171	5764	37.18	14	33	14
75	CL Hooper (WI)	102	173	5762	36.46	13	27	13
76	CA Pujara (INDIA)	75	124	5740	49.48	18	24	7
77	MP Vaughan (ENG)	82	147	5719	41.44	18	18	9
78	AD Mathews (SL)	84	151	5704	43.87	9	34	2
79	AC Gilchrist (AUS)	96	137	5570	47.6	17	26	14
80	MV Boucher (ICC/SA)	147	206	5515	30.3	5	35	17
81	MS Atapattu (SL)	90	156	5502	39.02	16	17	22
82	TM Dilshan (SL)	87	145	5492	40.98	16	23	14
83	TT Samaraweera (SL)	81	132	5462	48.76	14	30	11
84	MD Crowe (NZ)	77	131	5444	45.36	17	18	9
85	JB Hobbs (ENG)	61	102	5410	56.94	15	28	4
86	KD Walters (AUS)	74	125	5357	48.26	15	33	4
87	IM Chappell (AUS)	75	136	5345	42.42	14	26	11
88	JG Wright (NZ)	82	148	5334	37.82	12	23	7
89	MJ Slater (AUS)	74	131	5312	42.83	14	21	9
90	N Kapil Dev (INDIA)	131	184	5248	31.05	8	27	16
91	WM Lawry (AUS)	67	123	5234	47.15	13	27	6
92	Misbah-ul-Haq (PAK)	75	132	5222	46.62	10	39	9
93	IT Botham (ENG)	102	161	5200	33.54	14	22	14
94	JH Edrich (ENG)	77	127	5138	43.54	12	24	6
95	A Ranatunga (SL)	93	155	5105	35.69	4	38	12
96	Zaheer Abbas (PAK)	78	124	5062	44.79	12	20	10
97	TW Graveney (ENG)	79	123	4882	44.38	11	20	8
98	MS Dhoni (INDIA)	90	144	4876	38.09	6	33	10
99	RB Simpson (AUS)	62	111	4869	46.81	10	27	8
100	A Flower (ZIM)	63	112	4794	51.54	12	27	5
101	IR Redpath (AUS)	66	120	4737	43.45	8	31	9
102	NJ Astle (NZ)	81	137	4702	37.02	11	24	11
103	AJ Lamb (ENG)	79	139	4656	36.09	14	18	9
104	H Sutcliffe (ENG)	54	84	4555	60.73	16	23	2
105	DJ Cullinan (SA)	70	115	4554	44.21	14	20	10
106	HP Tillakaratne (SL)	83	131	4545	42.87	11	20	9
107	PBH May (ENG)	66	106	4537	46.77	13	22	8
108	DL Vettori (ICC/NZ)	113	174	4531	30	6	23	20
109	Asad Shafiq (PAK)	73	122	4528	39.03	12	26	13
110	ER Dexter (ENG)	62	102	4502	47.89	9	27	6
111	ED Weekes (WI)	48	81	4455	58.61	15	19	6
112	FDM Karunaratne (SL)	64	124	4421	36.84	9	24	12
113	KJ Hughes (AUS)	70	124	4415	37.41	9	22	10
114	MW Gatting (ENG)	79	138	4409	35.55	10	21	16
115	DR Martyn (AUS)	67	109	4406	46.37	13	23	7

156	PR Umrigar (INDIA)	59	94	3631	42.22	12	14	5
157	BJ Watling (NZ)	67	106	3616	39.73	8	18	9
158	DL Amiss (ENG)	50	88	3612	46.3	11	11	10
159	AW Greig (ENG)	58	93	3599	40.43	8	20	5
160	Asif Iqbal (PAK)	58	99	3575	38.85	11	12	9
161	TWM Latham (NZ)	49	86	3554	42.81	11	16	8
162	AR Morris (AUS)	46	79	3533	46.48	12	12	4
163	EH Hendren (ENG)	51	83	3525	47.63	7	21	4
164	DM Bravo (WI)	54	98	3506	37.69	8	17	5
165	KC Brathwaite (WI)	59	112	3496	33.29	8	17	12
166	B Mitchell (SA)	42	80	3471	48.88	8	21	3
167	GW Flower (ZIM)	67	123	3457	29.54	6	15	16
168	BE Congdon (NZ)	61	114	3448	32.22	7	19	9
169	JR Reid (NZ)	58	108	3428	33.28	6	22	5
170	C Hill (AUS)	49	89	3412	39.21	7	19	9
171	GA Hick (ENG)	65	114	3383	31.32	6	18	11
172	GM Wood (AUS)	59	112	3374	31.83	9	13	9
173	PJL Dujon (WI)	81	115	3322	31.94	5	16	8
174	CL Cairns (NZ)	62	104	3320	33.53	5	22	7
175	Ijaz Ahmed (PAK)	60	92	3315	37.67	12	12	7
176	FE Woolley (ENG)	64	98	3283	36.07	5	23	13
177	KWR Fletcher (ENG)	59	96	3272	39.9	7	19	6
178	BJ Haddin (AUS)	66	112	3266	32.98	4	18	8
179	ND McKenzie (SA)	58	94	3253	37.39	5	16	9
180	CC Hunte (WI)	44	78	3245	45.06	8	13	5
181	VL Manjrekar (INDIA)	55	92	3208	39.12	7	15	11
182	NS Sidhu (INDIA)	51	78	3202	42.13	9	15	9
183	HA Gomes (WI)	60	91	3171	39.63	9	13	5
184	VT Trumper (AUS)	48	89	3163	39.04	8	13	7
185	SCJ Broad (ENG)	135	199	3158	18.57	1	12	35
186	SK Warne (AUS)	145	199	3154	17.32	0	12	34
187	Sir RJ Hadlee (NZ)	86	134	3124	27.16	2	15	12
188	CD McMillan (NZ)	55	91	3116	38.46	6	19	7
189	CC McDonald (AUS)	47	83	3107	39.32	5	17	2
190	BF Butcher (WI)	44	78	3104	43.11	7	16	3
191	WPUJC Vaas (SL)	111	162	3089	24.32	1	13	12
192	AL Hasset (AUS)	43	69	3073	46.56	10	11	1
193	CG Borde (INDIA)	55	97	3061	35.59	5	18	13
194	Habibul Bashir (BDESH)	50	99	3026	30.87	3	24	7
195	JC Adams (WI)	54	90	3012	41.26	6	14	7
196	Saeed Ahmed (PAK)	41	78	2991	40.41	5	16	2
197	GM Turner (NZ)	41	73	2991	44.64	7	14	1
198	Taufeeq Umar (PAK)	44	83	2963	37.98	7	14	6
199	AD Nourse (SA)	34	62	2960	53.81	9	14	3
200	KR Miller (AUS)	55	87	2958	36.97	7	13	5
201	HW Taylor (SA)	42	76	2936	40.77	7	17	2
202	AH Jones (NZ)	39	74	2922	44.27	7	11	2
203	D Ramdin (WI)	74	126	2898	25.87	4	15	9
204	Wasim Akram (PAK)	104	147	2898	22.64	3	7	17
205	UT Khawaja (AUS)	44	77	2887	40.66	8	14	4
206	SL Campbell (WI)	52	93	2882	32.38	4	18	7
207	AC Parore (NZ)	78	128	2865	26.28	2	14	6
208	WW Armstrong (AUS)	50	84	2863	38.68	6	8	6
209	ADR Campbell (ZIM)	60	109	2858	27.21	2	18	10
210	GR Marsh (AUS)	50	93	2854	33.18	4	15	3
211	Rameez Raja (PAK)	57	94	2833	31.83	2	22	7
212	Aamer Sohail (PAK)	47	83	2823	35.28	5	13	6
213	Wasim Raja (PAK)	57	92	2821	36.16	4	18	8
214	KR Stackpole (AUS)	43	80	2807	37.42	7	14	5



215	MAK Pataudi (INDIA)	46	83	2793	34.91	6	16	7
216	KC Wessels (AUS/SA)	40	71	2788	41	6	15	5
217	MM Ali (ENG)	60	104	2782	28.97	5	14	14
218	NCL O'Neill (AUS)	42	69	2779	45.55	6	15	6
219	BKG Mendis (SL)	42	82	2777	35.15	6	10	7
220	MH Richardson (NZ)	38	65	2776	44.77	4	19	1
221	M Leyland (ENG)	41	65	2764	46.06	9	10	6
222	SMH Kirmani (INDIA)	88	124	2759	27.04	2	12	7
223	GN Yallop (AUS)	39	70	2756	41.13	8	9	3
224	SJ McCabe (AUS)	39	62	2748	48.21	6	13	4
225	Moin Khan (PAK)	69	104	2741	28.55	4	15	5
226	Mahmudullah (BDESH)	48	91	2739	32.22	4	16	10
227	Mohammad Ashraful (BDESH)	61	119	2737	24	6	8	16
228	B Sutcliffe (NZ)	42	76	2727	40.1	5	15	5
229	Mohsin Khan (PAK)	48	79	2709	37.1	7	9	3
230	Shoaib Mohammad (PAK)	45	68	2705	44.34	7	13	6
231	MG Burgess (NZ)	50	92	2684	31.2	5	14	5
232	Q de Kock (SA)	44	74	2683	38.88	5	18	5
233	JV Coney (NZ)	52	85	2668	37.57	3	16	3
234	Mominul Haque (BDESH)	38	71	2657	39.65	8	13	8
235	Sarfaraz Ahmed (PAK)	49	86	2657	36.39	3	18	4
236	Kamran Akmal (PAK)	53	92	2648	30.79	6	12	14
237	JA Rudolph (SA)	48	83	2622	35.43	6	11	8
238	FM Engineer (INDIA)	46	87	2611	31.08	2	16	7
239	WW Hinds (WI)	45	80	2608	33.01	5	14	6
240	MJ Guptill (NZ)	47	89	2586	29.38	3	17	10
241	Sadiq Mohammad (PAK)	41	74	2579	35.81	5	10	6
242	RD Jacobs (WI)	65	112	2577	28.31	3	14	12
243	RS Mahanama (SL)	52	89	2576	29.27	4	11	7
244	C Washbrook (ENG)	37	66	2569	42.81	6	12	2
245	GS Blewett (AUS)	46	79	2552	34.02	4	15	6
246	JN Rhodes (SA)	52	80	2532	35.66	3	17	4
247	GP Howarth (NZ)	47	83	2531	32.44	6	11	7
248	SM Nurse (WI)	29	54	2523	47.6	6	10	3
249	EJ Barlow (SA)	30	57	2516	45.74	6	15	3
250	TL Goddard (SA)	41	78	2516	34.46	1	18	4
251	A Kumble (INDIA)	132	173	2506	17.77	1	5	17
252	BL D'Oliveira (ENG)	44	70	2484	40.06	5	15	4
253	AL Logie (WI)	52	78	2470	35.79	2	16	8
254	DW Randall (ENG)	47	79	2470	33.37	7	12	14
255	W Bardsley (AUS)	41	66	2469	40.47	6	14	6
256	KR Rutherford (NZ)	56	99	2465	27.08	3	18	16
257	AP Gurusinha (SL)	41	70	2452	38.92	7	8	3
258	P Roy (INDIA)	43	79	2442	32.56	5	9	14
259	WJ Edrich (ENG)	39	63	2440	40	6	13	3
260	DJ McGlew (SA)	34	64	2440	42.06	7	10	4
261	TG Evans (ENG)	91	133	2439	20.49	2	8	17
262	LEG Ames (ENG)	47	72	2434	40.56	8	7	5
263	JHB Waite (SA)	50	86	2405	30.44	4	16	9
264	Imran Farhat (PAK)	40	77	2400	32	3	14	3
265	R Ashwin (INDIA)	70	96	2385	28.73	4	11	3
266	MR Ramprakash (ENG)	52	92	2350	27.32	2	12	12
267	W Rhodes (ENG)	58	98	2325	30.19	2	11	6
268	S Dhawan (INDIA)	34	58	2315	40.61	7	5	4
269	GT Dowling (NZ)	39	77	2306	31.16	3	11	6
270	WM Woodfull (AUS)	35	54	2300	46	7	13	6
271	TE Bailey (ENG)	61	91	2290	29.74	1	10	7
272	PJP Burge (AUS)	42	68	2290	38.16	4	12	5
273	SE Gregory (AUS)	58	100	2282	24.53	4	8	12

274	MJK Smith (ENG)	50	78	2278	31.63	3	11	11
275	SE Marsh (AUS)	38	68	2265	34.31	6	10	10
276	RG Pollock (SA)	23	41	2256	60.97	7	11	1
277	AW Nourse (SA)	45	83	2234	29.78	1	15	3
278	Harbhajan Singh (INDIA)	103	145	2224	18.22	2	9	19
279	H Masakadza (ZIM)	38	76	2223	30.04	5	8	10
280	GJ Whittall (ZIM)	46	82	2207	29.42	4	10	6
281	R Benaud (AUS)	63	97	2201	24.45	3	9	8
282	DJ Bravo (WI)	40	71	2200	31.42	3	13	6
283	VS Hazare (INDIA)	30	52	2192	47.65	7	9	4
284	GA Headley (WI)	22	40	2190	60.83	10	5	2
285	D Ganga (WI)	48	86	2160	25.71	3	9	9
286	JB Stollmeyer (WI)	32	56	2159	42.33	4	12	2
287	RG Sharma (INDIA)	32	53	2141	46.54	6	10	4
288	CG Macartney (AUS)	35	55	2131	41.78	7	9	1
289	HAPW Jayawardene (SL)	58	83	2124	29.5	4	5	9
290	WH Ponsford (AUS)	29	48	2122	48.22	7	6	1
291	RA McLean (SA)	40	73	2120	30.28	5	10	11
292	AL Wadekar (INDIA)	37	71	2113	31.07	1	14	7
293	MH Mankad (INDIA)	44	72	2109	31.47	5	6	7
294	JP Duminy (SA)	46	74	2103	32.85	6	8	9
295	JK Silva (SL)	39	74	2099	28.36	3	12	6
296	AN Petersen (SA)	36	64	2093	34.88	5	8	3
297	CPS Chauhan (INDIA)	40	68	2084	31.57	0	16	6
298	Imtiaz Ahmed (PAK)	41	72	2079	29.28	3	11	9
299	MG Johnson (AUS)	73	109	2065	22.2	1	11	19
300	K Srikanth (INDIA)	43	72	2062	29.88	2	12	7

DATABASE NAME : PROJECT

TABLE NAME : PLAYERS

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mysql> select * from players;
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PID	NAME	AVERAGE
458	JD Ryder (NZ)	41
493	R Edwards (AUS)	40
555	KS Ranjitsinhji (ENG)	45
826	KA Maharaj (SA)	15
1662	S Haigh (ENG)	8

5 rows in set (0.00 sec)

DATABASE NAME : PROJECT

TABLE NAME : PLAYER

```
mysql> select * from player1;
```

PID	NAME	AVERAGE
369	TG Southee (NZ)	18
381	RT Robinson (ENG)	36
1242	RK Nunes (WI)	31
1385	STR Binny (INDIA)	22
2673	SF Rehman (PAK)	5

5 rows in set (0.00 sec)

# ***SYSTEM IMPLEMENTATION***

---

## **The Hardware Used -**

- Apple MacBook Pro
- Apple MacBook Air

## **The Software used -**

- Macintosh as an operating system
- IntelliJ IDE as front-end development environment
- MySQL as backend server with database for testing apple pages for documentation

**PROGRAM**

```

1 from connect import Cur, Conn
2 import random as r
3
4
5 def Add():
6     player_id = int(input("Enter the player Id : "))
7     ans = Yesno(player_id)
8     if ans == 0:
9         name = input("Enter the name of player : \n")
10        matches = int(input("Enter the number of matches : \n"))
11        inn = int(input("Enter the innings : \n"))
12        Runs = int(input("Enter the total runs : \n"))
13        Pavg = float(input("Enter the average runs : \n"))
14        Hund = int(input("Enter the hundreds of the player : \n"))
15        fif = int(input("Enter the fifties of the player : \n"))
16        Zeroes = int(input("Enter the zeroes : \n"))
17        info = f"insert into icc
... values({player_id}, '{name}', '{matches}', '{inn}', '{Runs}', '{Pavg}', " \
18            f"'{Hund}', '{fif}', '{Zeroes}');"
19        Cur.execute(info)
20        Conn.commit()
21        print(f"Record added with Player ID : {player_id}")
22    else:
23        print("Player ID already exists!")
24
25
26 def Modify():
27     print("The fields are :-"
28         "\n1. Name"
29         "\n2. Matches"
30         "\n3. Innings"
31         "\n4. Runs"
32         "\n5. Average"
33         "\n6. Hundreds"
34         "\n7. Fifties"
35         "\n8. Zeroes")
36     num = int(input("Enter the field (1/6) you want to modify : "))
37     name = input("Enter the player's Name whose record you wanna modify:
... ")
38     Cur.execute(f"Select * from icc where name like '%{name}%';")
39     a = Cur.fetchall()
40     if len(a) > 0:
41         print("="*103)
42         print(f"{'Player ID': ^15s}{ 'NAME': ^26s}{ 'MATCHES':
... ^10s}{ 'INNINGS': ^10s}{ 'RUNS': ^6s}{ 'AVERAGE': ^10s}"
43             f"{'HUNDREDS': ^10s}{ 'FIFTIES': ^10s}{ 'ZEROES': ^6s}")
44         print("="*103)
45         for i in a:
46             print(f"{i[0]:
... ^15s}{i[1]: ^26s}{i[2]: ^10s}{i[3]: ^10s}{i[4]: ^6s}{i[5]: ^10s}{i[6]: ^10s}{i[7]: ^10s}{
... i[8]: ^8s}")
47             print("-"*103)
48             id = int(input("Enter the ID of the player whose record you wanna
... modify : "))

```

```

49     if num == 1:
50         newname = input("Enter the new name: ")
51         Cur.execute(f"Update ICC set Name='{newname}' where pid = {id};")
52     if num == 2:
53         new_match = input("Enter new number of matches: ")
54         Cur.execute(f"Update ICC set Matches='{new_match}' where
... pid={id};")
55     if num == 3:
56         new_inns = input("Enter new number of Innings:")
57         Cur.execute(f"Update ICC set Innings='{new_inns}' where
... pid={id};")
58     if num == 4:
59         new_runs = input("Enter new number of runs:")
60         Cur.execute(f"Update ICC set Runs='{new_runs}' where pid={id};")
61     if num == 5:
62         new_avg = input("Enter new average: ")
63         Cur.execute(f"Update ICC set Average='{new_avg}' where
... pid={id};")
64     if num == 6:
65         new_hun = input("Enter new hundreds:")
66         Cur.execute(f"Update ICC set Hundreds='{new_hun}' where
... pid={id};")
67     if num == 7:
68         new_fif = input("Enter new fifties:")
69         Cur.execute(f"Update ICC set Fifties='{new_fif}' where
... pid={id};")
70     if num == 8:
71         new_avg = input("Enter new zeroes:")
72         Cur.execute(f"Update ICC set Zeroes='{new_avg}' where pid={id};")
73     Conn.commit()
74     print()
75     print(f"'RECORD MODIFIED': ^100s}")
76     print()
77
78
79 def Search():
80     a = input("Enter full Name of the cricketer : ")
81     Cur.execute(f"Select * from icc where name like '%{a}%';")
82     a = Cur.fetchall()
83     if len(a) > 0:
84         print("="*103)
85         print(f"'Player ID': ^15s{'NAME': ^26s{'MATCHES':
... ^10s{'INNINGS': ^10s{'RUNS': ^6s{'AVERAGE': ^10s"
86             f"'HUNDREDS': ^10s{'FIFTIES': ^10s{'ZEROES': ^6s}")
87         print("="*103)
88         for i in a:
89             print(f"{i[0]:
... ^15}{i[1]: ^26}{i[2]: ^10}{i[3]: ^10}{i[4]: ^6}{i[5]: ^10}{i[6]: ^10}{i[7]: ^10}{
... i[8]: ^8}")
90
91     else:
92         print("NO RECORDS FOUND")
93     for i in range(5):
94         print()

```

```

95
96
97 def Del():
98     a = input("Enter Full Name of the cricketer : ")
99     Cur.execute(f"Select * from icc where name like '%{a}%';")
100    a = Cur.fetchall()
101    if len(a) > 0:
102        print("="*103)
103        print(f"{'Player ID': ^15s}{ 'NAME': ^26s}{ 'MATCHES': ^10s}{ 'INNINGS': ^10s}{ 'RUNS': ^6s}{ 'AVERAGE': ^10s}"
...      f"{'HUNDREDS': ^10s}{ 'FIFTIES': ^10s}{ 'ZEROES': ^6s}")
104        print("="*103)
105        for i in a:
106            print(f"{i[0]: ^15s}{i[1]: ^26s}{i[2]: ^10s}{i[3]: ^10s}{i[4]: ^6s}{i[5]: ^10s}{i[6]: ^10s}{i[7]: ^10s}{i[8]: ^8s}")
...
107            print("="*103)
108            i_d = int(input("Enter the ID of the player whose record you wanna
... remove : "))
109            ans = Yesno(i_d)
110            if ans == 0:
111                del_sen = f"delete from icc where pid = {i_d}"
112                Cur.execute(del_sen)
113                Conn.commit()
114                print(" ")
115                print(f"{'RECORD DELETED SUCCESSFULLY': ^100s}")
116            else:
117                print(f"{'* NO SUCH CRICKETER FOUND! *': ^100s}")
118
119
120
121
122 def Yesno(pid):
123     a = f"select * from icc where pid = {pid};"
124     Cur.execute(a)
125     record = Cur.fetchall()
126     if len(record) == 1:
127         return 1
128     return 0
129
130
131 def Random():
132     a = "select pid,Name,average from ICC;"
133     Cur.execute(a)
134     names = Cur.fetchall()
135     player_lst1 = []
136     player_lst2 = []
137     for i in range(30):
138         player_lst1.append(r.choices(names))
139     for i in player_lst1:
140         if len(player_lst2) <= 9:
141             if i not in player_lst2:
142                 player_lst2.append(i)
143     for i in player_lst2:
144         Cur.execute(f"insert into players

```



```

144... values({i[0][0]}, '{i[0][1]}', {i[0][2]});")
145     Conn.commit()
146
147
148 def Game():
149     Random()
150     a = f"select * from Players;"
151     Cur.execute(a)
152     p_ls1 = Cur.fetchall()
153     print("="*40)
154     print(f"{'Player ID': ^14}{'NAME': ^25}")
155     print("="*40)
156     for i in p_ls1:
157         print(f"{i[0]: ^14}{i[1]: ^25}")
158     p_ls2 = []
159     for i in range(1, 6):
160         pid = int(input(f"Enter the ID of player {i} you want in your team
... : "))
161         p_ls2.append(pid)
162     p_lst3 = tuple(p_ls2)
163     for i in p_lst3:
164         b = f"select pid, pname, average from players where pid = {i};"
165         d = f"delete from players where pid = {i};"
166         Cur.execute(b)
167         c = Cur.fetchall()
168         Cur.execute(d)
169         for j in c:
170             Cur.execute(f"insert into player1
... values({j[0]}, '{j[1]}', {j[2]});")
171         e = f"select sum(average) from players;"
172         Cur.execute(e)
173         z = Cur.fetchall()
174         f = f"select sum(average) from player1;"
175         Cur.execute(f)
176         x = Cur.fetchall()
177         print()
178         print("="*100)
179         print(f"{'GAME RESULTS': ^100s}")
180         print("="*100)
181         print(f"{'YOUR SCORE : '} {z[0][0]}")
182         print(f"{'AI SCORE : '} {x[0][0]}")
183         print()
184         if z > x:
185             print(f"Congratulations! Your team won by {z[0][0]-x[0][0]}
... runs!")
186         else:
187             print(f"Oh No! Your team lost by {x[0][0]-z[0][0]} runs!")
188
189     Cur.execute("delete from Players;")
190     Cur.execute("delete from player1;")
191     Conn.commit()
192     print()
193
194

```

```
195 while True:
196
197     print("="*100)
198     print(f"{'LORDS CRICKSANITY BUZZ': ^100s}")
199     print("="*100)
200     print()
201     print(f"{'F I L E   O P E R A T I O N S': ^100}")
202     print(f"{'1. A D D': <50}")
203     print(f"{'2. S E A R C H': <50}")
204     print(f"{'3. M O D I F Y': <50}")
205     print(f"{'4. D E L E T E' : <50}")
206     print(f"{'5. G A M E': <50}")
207     print(f"{'6. Q U I T': <50}")
208
209     CH = input("Enter your Choice (1-6) : ")
210     if CH == '1':
211         Add()
212     elif CH == '2':
213         Search()
214     elif CH == '3':
215         Modify()
216     elif CH == '4':
217         Del()
218     elif CH == '5':
219         Game()
220     elif CH == '6':
221         print(
222
223             "END OF THE GAME\n"
224             "THANK YOU FOR PLAYING\n"
225             "HOPE YOU ENJOYED\n"
226
227         )
228         break
229
230     else:
231         print("Wrong Input..")
232
```



## LORDS CRICKSANITY BUZZ

### FILE OPERATIONS

```
1. A D D
2. S E A R C H
3. M O D I F Y
4. D E L E T E
5. G A M E
6. Q U I T
Enter your Choice (1-6) : 1
Enter the player Id : 4000
Enter the name of player :
AMRIK BEDI
Enter the number of matches :
100
Enter the innings :
23
Enter the total runs :
1999
Enter the average runs :
33
Enter the hundreds of the player :
18
Enter the fifties of the player :
22
Enter the zeroes :
0
Record added with Player ID : 4000
```

## LORDS CRICKSANITY BUZZ

### FILE OPERATIONS

```
1. A D D
2. S E A R C H
3. M O D I F Y
4. D E L E T E
5. G A M E
6. Q U I T
Enter your Choice (1-6) : 2
Enter full Name of the cricketer : HARBHAJAN SINGH
```

Player ID	NAME	MATCHES	INNINGS	RUNS	AVERAGE	HUNDREDS	FIFTIES	ZEROES
278	Harbhajan Singh (INDIA)	103	145	2224	18.22	2	9	19

```
=====
LORDS CRICKSANITY BUZZ
=====
```

```
FILE OPERATIONS
```

1. A D D
2. S E A R C H
3. M O D I F Y
4. D E L E T E
5. G A M E
6. Q U I T

Enter your Choice (1-6) : 3

The fields are :-

1. Name
2. Matches
3. Innings
4. Runs
5. Average
6. Hundreds
7. Fifties
8. Zeroes

Enter the field (1/6) you want to modify : 2

Enter the player's Name whose record you wanna modify: YUVRAJ SINGH

Player ID	NAME	MATCHES	INNINGS	RUNS	AVERAGE	HUNDREDS	FIFTIES	ZEROES
329	Yuvraj Singh (INDIA)	40	62	9987	50.0	3	11	7

Enter the ID of the player whose record you wanna modify : 329

Enter new number of matches: 120

RECORD MODIFIED

```
=====
LORDS CRICKSANITY BUZZ
=====
```

```
FILE OPERATIONS
```

1. A D D
2. S E A R C H
3. M O D I F Y
4. D E L E T E
5. G A M E
6. Q U I T

Enter your Choice (1-6) : 4

Enter Full Name of the cricketer : AMRIK BEDI

Player ID	NAME	MATCHES	INNINGS	RUNS	AVERAGE	HUNDREDS	FIFTIES	ZEROES
4000	AMRIK BEDI	100	23	1999	33.0	18	22	0

\*\*\*\*\*

Enter the ID of the player whose record you wanna remove : 4000

=====

LORDS CRICKSANITY BUZZ

=====

F I L E   O P E R A T I O N S

1. A D D
2. S E A R C H
3. M O D I F Y
4. D E L E T E
5. G A M E
6. Q U I T

Enter your Choice (1-6) : 5

=====

Player ID	NAME
=====	
6	KC Sangakkara (SL)
45	SC Ganguly (INDIA)
93	IT Botham (ENG)
635	JE Taylor (WI)
678	WK Lees (NZ)
1935	GA Smithson (ENG)
1962	RD King (WI)
2014	SG Peall (ZIM)
2188	EJK Burn (AUS)
2319	RA Saggars (AUS)

Enter the ID of player 1 you want in your team : 6

Enter the ID of player 2 you want in your team : 45

Enter the ID of player 3 you want in your team : 635

Enter the ID of player 4 you want in your team : 2319

Enter the ID of player 5 you want in your team : 1962

=====

GAME RESULTS

=====

YOUR SCORE : 106

AI SCORE : 125

Oh No! Your team lost by 19 runs!

=====

LORDS CRICKSANITY BUZZ

=====

# ***BIBLIOGRAPHY***

---

## **The Following Resources were Used:**

- <https://stackoverflow.com>
- <https://apple.stackexchange.com>
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