1)Select b.player_id,b.player_name,b.No_of_wins,a.No_of_loses,c.player_ht, round(b.No_of_wins/(b.No_of_wins+a.No_of_loses),2) as winprob from ((Select player_name, player_id, count(winner_id) as No_of_wins from(Select * from player_info join atpMatch natural join tournament_info on player_id = winner_id) as a group by player_name)as b

inner join (Select player_name, player_id, count(loser_id) as No_of_loses from(Select * from player_info join atpMatch natural join tournament_info on player_id = loser_id) as a group by player_name)as a inner join (Select player_name, player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=winner_id

union

Select player_name, player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=loser_id)as c) where b.player_id = a.player_id and c.player_id = a.player_id and c.player_ht is not NULL;

player_id	player_name	No_of_wins	No_of_loses	player_ht	winprob
103110	Daniele Bracciali	32	50	180	0.39
103970	David Ferrer	668	327	175	0.67
105676	David Goffin	126	99	163	0.56
104095	David Guez	2	16	185	0.11
103543	David Marrero	3	6	185	0.33
103900	David Nalbandian	358	188	180	0.66
102184	David Prinosil	31	46	185	0.40
103176	David Sanchez	87	115	183	0.43
103559	David Sherwood	1	2	193	0.33
101609	David Wheaton	1	3	193	0.25
102106	Davide Sanguinetti	117	168	188	0.41
103823	Denis Gremelmayr	32	57	183	0.36
104797	Denis Istomin	163	195	188	0.46
106045	Denis Kudla	29	58	180	0.33
104707	Denis Matsukevitch	1	3	190	0.25
102615	Dennis Van Schepp...	16	31	185	0.34
101868	Dick Norman	14	40	203	0.26

2) Select z.player_ht,z.winprob, round(avg(player_ht),0) as avgHeight from(Select c.player_ht, round(b.No_of_wins/(b.No_of_wins+a.No_of_loses),2) as winprob from ((Select player_name, player_id, count(winner_id) as No_of_wins from(Select * from player_info join atpMatch natural join tournament_info on player_id = winner_id) as a group by player_name)as b

inner join (Select player_name, player_id, count(loser_id) as No_of_loses from(Select * from player_info join atpMatch natural join tournament_info on player_id = loser_id) as a group by player_name)as a inner join (Select player_name, player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=winner_id

union

Select player_name, player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=loser_id)as c) where b.player_id = a.player_id and c.player_id = a.player_id) as z where z.player_ht is not NULL group by z.winprob;

player_ht	winprob	avgHeight
188	0.63	190
193	0.36	184
175	0.59	184
190	0.58	188
201	0.44	184
185	0.29	184
190	0.50	183
183	0.64	187
175	0.48	184
185	0.53	186
193	0.56	186
175	0.45	187
180	0.55	187
175	0.33	184
178	0.40	183
180	0.39	185
185	0.25	184

3)Select round,surface,count(winner_id), sum(w_svpt), sum(w_bpFaced), sum(w_SvGms), avg(w_ace) from tournament_info natural join atpMatch join player_info on player_id = winner_id where player_name like "%Rafael%Nadal%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

round	surface	count(winner_id)	sum(w_svpt)	sum(w_bpFaced)	sum(w_SvGms)	avg(w_ace)
QF	Clay	25	1799	161	280	2.4800
QF	Hard	14	1164	82	189	3.7857
QF	Grass	2	208	11	39	5.5000

4) Select round,surface,count(winner_id), sum(w_svpt), sum(w_bpFaced), sum(w_SvGms), avg(w_ace) from tournament_info natural join atpMatch join player_info on player_id = winner_id where player_name like "%David%Ferrer%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

round	surface	count(winner_id)	sum(w_svpt)	sum(w_bpFaced)	sum(w_SvGms)	avg(w_ace)
QF	Hard	20	1616	95	255	5.1500
QF	Clay	22	1550	110	246	2.7727
QF	Grass	3	170	7	31	2.3333

5) Select round,surface,count(loser_id), sum(l_svpt), sum(l_bpFaced), sum(l_SvGms), avg(l_ace) from tournament_info natural join atpMatch join player_info on player_id = loser_id where player_name like "%Rafael%Nadal%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

	round	surface	count(loser_id)	sum(l_svpt)	sum(l_bpFaced)	sum(l_SvGms)	avg(l_ace)
▶	F	Clay	2	144	23	21	2.5000
	QF	Grass	3	233	25	40	4.6667
	F	Hard	11	931	111	133	2.4545

6) Select round,surface,count(loser_id), sum(l_svpt), sum(l_bpFaced), sum(l_SvGms), avg(l_ace) from tournament_info natural join atpMatch join player_info on player_id = loser_id where player_name like "%David%Ferrer%" and MatchDate between "2010%" and "2012%" and round in("F", "QF" , "SF") group by surface;

	round	surface	count(loser_id)	sum(l_svpt)	sum(l_bpFaced)	sum(l_SvGms)	avg(l_ace)
▶	QF	Clay	9	687	97	101	1.5556
	SF	Hard	12	917	93	145	2.0000
	QF	Grass	1	165	9	23	6.0000

7) Select b.player_name,b.No_of_wins,a.No_of_loses, (b.No_of_wins/(b.No_of_wins+a.No_of_loses))*100 as winperc from ((Select player_name, player_id, count(winner_id) as No_of_wins from(Select * from player_info join atpMatch natural join tournament_info on player_id = winner_id where MatchDate between "2010%" and "2012%" and player_name like "%Rafael%Nadal%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player_name)as b

inner join (Select player_name, player_id, count(loser_id) as No_of_loses from(Select * from player_info join atpMatch natural join tournament_info on player_id = loser_id where MatchDate between "2010%" and "2012%" and player_name like "%Rafael%Nadal%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player_name)as a inner join (Select player_name, player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=winner_id

union

Select player_name, player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=loser_id)as c) where b.player_id = a.player_id and c.player_id = a.player_id ;

	player_name	No_of_wins	No_of_loses	winperc
▶	Rafael Nadal	14	11	56.0000

8) Select b.player_name,b.No_of_wins,a.No_of_loses, round((b.No_of_wins/(b.No_of_wins+a.No_of_loses))*100,0) as winperc from ((Select player_name, player_id, count(winner_id) as No_of_wins from(Select * from player_info join atpMatch natural join tournament_info on player_id = winner_id where MatchDate between "2010%" and "2012%" and player_name like "%David%Ferrer%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player_name)as b

inner join (Select player_name, player_id, count(loser_id) as No_of_loses from(Select * from player_info join atpMatch natural join tournament_info on player_id = loser_id where MatchDate between "2010%" and "2012%" and player_name like "%David%Ferrer%" and surface like "hard" and round in ("F", "QF" , "SF")) as a group by player_name)as a inner join (Select player_name,

player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=winner_id

union

Select player_name, player_id, player_ht from player_info join atpMatch natural join tournament_info on player_id=loser_id)as c) where b.player_id = a.player_id and c.player_id = a.player_id ;

	player_name	No_of_wins	No_of_loses	winperc
▶	David Ferrer	20	12	63

9) Select * from (Select a.winner_name,b.player_name as loser_name,a.NewDate,a.Round,a.Tournament,a.WRank,a.Lrank,a.PSL, a.PSW, a.B365L,a.B365W from(Select *,player_name as winner_name,LID as loser_id from(Select * from bettingDatat join tournament_info on TID= tourney_id where NewDate like "2013%" and Tournament like "BNP%")as p, player_info as t where p.WID= t.player_id) as a, player_info as b where a.loser_id= b.player_id) as z where z.winner_name in ("David Ferrer", "Rafael Nadal") or z.loser_name in ("David Ferrer", "Rafael Nadal") ;

	winner_name	loser_name	NewDate	Round	Tournament	WRank	LRank	PSL	PSW	B365L	B365W
▶	David Ferrer	Gilles Simon	2013-10-28	3rd Round	BNP Paribas Masters	3	17	3.45	1.37	3.4	1.3
	David Ferrer	Tomas Berdych	2013-10-28	Quarterfinals	BNP Paribas Masters	3	7	1.96	1.96	1.8	2
	David Ferrer	Rafael Nadal	2013-10-28	Semifinals	BNP Paribas Masters	3	1	1.15	6.65	1.11	6.5
	Kevin Anderson	David Ferrer	2013-03-07	2nd Round	BNP Paribas Open	37	4	1.27	4.3	1.18	4.5
	Rafael Nadal	Marcel Granollers	2013-10-28	2nd Round	BNP Paribas Masters	1	39	8.6	1.1	15	1.03
	Rafael Nadal	Juan Martin Del Potro	2013-03-07	The Final	BNP Paribas Open	5	7	2.85	1.5	2.5	1.53