

## Database Layout

### Clubs

Data:

		Club_ID	Name	Location	Captain
<input type="checkbox"/>	Edit  Copy  Delete	2	Panda Society	Sunderland	Bob Ross
<input type="checkbox"/>	Edit  Copy  Delete	3	Save the turtles	Newcastle	Ellie Lowdon
<input type="checkbox"/>	Edit  Copy  Delete	4	Walruses	South Shields	Rhys Barass
<input type="checkbox"/>	Edit  Copy  Delete	5	Minemen	Tyne Dock	Kailem Amess
<input type="checkbox"/>	Edit  Copy  Delete	6	Skrubs	Newcastle	Tyler Blevins

Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/> 1	Club_ID	int(11)			No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/> 2	Name	text	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> 3	Location	text	latin1_swedish_ci		No	None			Change  Drop  More
<input type="checkbox"/> 4	Captain	text	latin1_swedish_ci		No	None			Change  Drop  More
<div> <input type="checkbox"/> Check all With selected:  Browse  Change  Drop  Primary  Unique  Index  Fulltext</div>									
<div> Print  Propose table structure  Move columns  Normalize</div>									
<div> Add <input type="text" value="1"/> column(s) <input type="text" value="after Captain"/> <input type="button" value="Go"/></div>									
<div>Indexes </div>									
Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit  Drop	PRIMARY	BTREE	Yes	No	Club_ID	4	A	No	

## Events

Data:

		Location	Date	Time	Event_ID
<input type="checkbox"/>	Edit  Copy  Delete	Newcastle	2020-04-15	1000	1
<input type="checkbox"/>	Edit  Copy  Delete	Sunderland	2020-06-24	1400	2
<input type="checkbox"/>	Edit  Copy  Delete	Middlesbrough	2020-01-08	1600	3

Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	Location	text	latin1_swedish_ci	No	None			Change  Drop  More
<input type="checkbox"/>	2	Date	date		No	None			Change  Drop  More
<input type="checkbox"/>	3	Time	int(4)		No	None			Change  Drop  More
<input type="checkbox"/>	4	Event_ID	int(5)		No	None		AUTO_INCREMENT	Change  Drop  More

☐ Check all With selected: Browse Change Drop Primary Unique Index Fulltext

Print Propose table structure Move columns Normalize

Add  column(s)

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit  Drop	PRIMARY	BTREE	Yes	No	Event_ID	2	A	No	

## Participants

Data:

Options														
				Participant_ID	S_Name	F_Name	Email	Contact_Tel	DOB	Gender	Miles_Completed	Power_Output	Club_ID	Event_ID
<input type="checkbox"/>				11	Terrance	Rawet	trawet0@github.com	1579862188	2010-06-05	Male	355	10368	6	3
<input type="checkbox"/>				12	Sorcha	Banasik	sbanasik1@de.vu	5519703706	2011-09-11	Female	132	4270	4	3
<input type="checkbox"/>				13	Austin	Etoile	aetoile2@slideshare.net	1757664220	2011-09-02	Male	513	4870	2	
<input type="checkbox"/>				14	Beuscher	Byran	bbeuscher3@google.com.au	1863310808	2004-06-23	Male	410	73	3	2
<input type="checkbox"/>				15	Wiltsher	Northrop	nwiltsher4@mac.com	9012163874	2008-04-17	Male	171	1000	3	3
<input type="checkbox"/>				16	Gapper	Dix	dgapper5@phpbb.com	3755158879	2001-11-10	Female	940	2847	4	2
<input type="checkbox"/>				17	Thwaites	Debby	dthwaites6@rediff.com	3342137027	2002-02-19	Female	829	939	5	3
<input type="checkbox"/>				18	Asch	Gordan	gasch7@goo.gl	2754533009	2009-03-02	Male	631	6700	4	1
<input type="checkbox"/>				19	Mease	Leisha	lmease8@topsy.com	2931345615	2000-09-24	Female	603	1200	3	3
<input type="checkbox"/>				20	MacTague	Claudius	cmactague9@elpais.com	1101627522	2000-09-16	Male	604	7000	5	1
<input type="checkbox"/>				21	Grazier	Sheila-kathryn	sgrazier@huffingtonpost.com	1745291398	2002-01-05	Female	931	3874	6	3
<input type="checkbox"/>				22	Ainsbury	Rollie	rainsburyb@ca.gov	3623461077	0000-00-00	Male	812	2037	5	3
<input type="checkbox"/>				23	Amott	Solly	sarnott@ucsd.edu	9502485170	2006-05-22	Male	763	1854	3	3
<input type="checkbox"/>				24	Fenelia	McKeon	fmckeond@fda.gov	2152375719	2001-02-09	Female	32	1232	5	1
<input type="checkbox"/>				25	Dorgan	Vera	vdorgane@auda.org.au	3138072364	2004-09-02	Female	631	8145	6	3
<input type="checkbox"/>				26	Wakeling	Lennie	lwakelingf@networksolutions.com	7141670141	2005-10-01	Male	548	1132	2	2
<input type="checkbox"/>				27	MacFadden	Mehetabel	mmacfaddeng@cnn.com	1674659159	0000-00-00	Female	660	117	6	3
<input type="checkbox"/>				28	Kingsford	Marven	mkingsfordh@nbcnews.com	7329283638	2012-09-24	Male	40	120	2	3
<input type="checkbox"/>				29	Fitness	Sabrina	sfitness@123-reg.co.uk	3028344197	2009-08-05	Female	250	7472	5	3
<input type="checkbox"/>				30	De La Cote	Hyacinthia	hdelacotej@weebly.com	1255381538	2003-11-18	Female	263	5287	4	3
<input type="checkbox"/>				32	Telega	Lorine	ltelegak@cnn.com	3051637878	2000-04-01	Female	100	4404	3	

Structure:

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra	Action
<input type="checkbox"/>	1	Participant_ID		int(11)	No	None		AUTO_INCREMENT	Change  Drop  More
<input type="checkbox"/>	2	S_Name	text	latin1_swedish_ci	No	None			Change  Drop  More
<input type="checkbox"/>	3	F_Name	text	latin1_swedish_ci	No	None			Change  Drop  More
<input type="checkbox"/>	4	Email	text	latin1_swedish_ci	No	None			Change  Drop  More
<input type="checkbox"/>	5	Contact_Tel	varchar(15)	latin1_swedish_ci	No	None			Change  Drop  More
<input type="checkbox"/>	6	DOB	date		No	None			Change  Drop  More
<input type="checkbox"/>	7	Gender	text	latin1_swedish_ci	No	None			Change  Drop  More
<input type="checkbox"/>	8	Miles_Completed	int(11)		No	None			Change  Drop  More
<input type="checkbox"/>	9	Power_Output	int(11)		No	None			Change  Drop  More
<input type="checkbox"/>	10	Club_ID		int(11)	No	None			Change  Drop  More
<input type="checkbox"/>	11	Event_ID		int(5)	No	None			Change  Drop  More

☐ Check all With selected: Browse Change Drop Primary Unique Index Fulltext

Print Propose table structure Move columns Normalize

Add  column(s)  Go

Indexes									
Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
	PRIMARY	BTREE	Yes	No	Participant_ID	21	A	No	
	Club_ID	BTREE	No	No	Club_ID	10	A	No	
	Event_ID	BTREE	No	No	Event_ID	7	A	No	

Table structure < Relation view

Foreign key constraints

Actions Constraint properties

Drop Clubs ON DELETE RESTRICT ON UPDATE NO ACTION

Drop Events ON DELETE RESTRICT ON UPDATE NO ACTION

Constraint name ON DELETE RESTRICT ON UPDATE RESTRICT

+ Add constraint

+ Internal relationships

Choose column to display: ---

Preview SQL Save

Indexes

Action	Keyname	Type	Unique	Packed	Column	Cardinality	Collation	Null	Comment
Edit Drop	PRIMARY	BTREE	Yes	No	Participant_ID	0	A	No	
Edit Drop	Event_ID	BTREE	No	No	Event_ID	0	A	No	
Edit Drop	Club_ID	BTREE	No	No	Club_ID	0	A	No	

Create an index on 1 columns Go

## Queries

“Select all of the participants who are male”

**SELECT \* FROM 'participants' WHERE 'gender' = 'male'**

Showing rows 0 - 9 (10 total. Query took 0.0004 seconds.)

SELECT \* FROM 'participants' WHERE 'Gender' = 'male'

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	Participant_ID	S_Name	F_Name	Email	Contact_Tel	DOB	Gender	Miles_Completed	Power_Output	Club_ID	Event_ID
<input type="checkbox"/> Edit Copy Delete	11	Terrance	Rawet	trawet0@github.com	1579862188	2010-06-05	Male	355	10368	6	3
<input type="checkbox"/> Edit Copy Delete	13	Austin	Etoile	aetoile2@slideshare.net	1757664220	2011-09-02	Male	513	4870	2	2
<input type="checkbox"/> Edit Copy Delete	14	Beuscher	Byran	bbeuscher3@google.com.au	1863310808	2004-06-23	Male	410	73	3	2
<input type="checkbox"/> Edit Copy Delete	15	Wiltsher	Northrop	nwltshe4@mac.com	9012163874	2008-04-17	Male	171	1000	3	3
<input type="checkbox"/> Edit Copy Delete	18	Asch	Gordan	gasch7@goo.gl	2754533009	2009-03-02	Male	631	6700	4	1
<input type="checkbox"/> Edit Copy Delete	20	MacTague	Claudius	cmactague9@elpais.com	1101627522	2000-09-16	Male	604	7000	5	1
<input type="checkbox"/> Edit Copy Delete	22	Ainsbury	Rolie	rainsburyb@ca.gov	3623461077	0000-00-00	Male	812	2037	5	3
<input type="checkbox"/> Edit Copy Delete	23	Arnott	Solly	sarnott@ucsd.edu	9502485170	2006-05-22	Male	763	1854	3	3
<input type="checkbox"/> Edit Copy Delete	26	Wakeling	Lennie	lwakelingf@networksolutions.com	7141670141	2005-10-01	Male	548	1132	2	2
<input type="checkbox"/> Edit Copy Delete	28	Kingsford	Marven	mkingsfordh@nbcnews.com	7329283638	2012-09-24	Male	40	120	2	3

“Select all the female participants who are registered to a club”

**SELECT \* FROM 'participants' WHERE 'gender' = 'male' AND 'Club\_ID' IS NOT NULL**

Show all Number of rows: 25 Filter rows: Search this table Sort by key: None

+ Options

	Participant_ID	S_Name	F_Name	Email	Contact_Tel	DOB	Gender	Miles_Completed	Power_Output	Club_ID	Event_ID
<input type="checkbox"/> Edit Copy Delete	12	Sorcha	Banasik	sbanasik1@de.vu	5519703706	2011-09-11	Female	132	4270	4	3
<input type="checkbox"/> Edit Copy Delete	16	Gapper	Dix	dgapper5@phpbb.com	3755158879	2001-11-10	Female	940	2847	4	2
<input type="checkbox"/> Edit Copy Delete	17	Thwaites	Debby	dthwaites6@rediff.com	3342137027	2002-02-19	Female	829	939	5	3
<input type="checkbox"/> Edit Copy Delete	19	Mease	Leisha	lmease8@topsy.com	2931345615	2000-09-24	Female	603	1200	3	3
<input type="checkbox"/> Edit Copy Delete	21	Grazier	Sheila-kathryn	sgrazier@huffingtonpost.com	1745291398	2002-01-05	Female	931	3874	6	3
<input type="checkbox"/> Edit Copy Delete	24	Fenelia	McKeon	fmckeond@fda.gov	2152375719	2001-02-09	Female	32	1232	5	1
<input type="checkbox"/> Edit Copy Delete	25	Dorgan	Vera	vdorgane@auda.org.au	3138072364	2004-09-02	Female	631	8145	6	3
<input type="checkbox"/> Edit Copy Delete	27	MacFadden	Mehetabel	mmacfaddeng@cnn.com	1674659159	0000-00-00	Female	660	117	6	3
<input type="checkbox"/> Edit Copy Delete	29	Filtress	Sabrina	sfiltness@123-reg.co.uk	3028344197	2009-08-05	Female	250	7472	5	3
<input type="checkbox"/> Edit Copy Delete	30	De La Cote	Hyacinthia	hdelacotej@weebly.com	1255381538	2003-11-18	Female	263	5287	4	3
<input type="checkbox"/> Edit Copy Delete	32	Telega	Lorine	ltelegak@cnn.com	3051637878	2000-04-01	Female	100	4404	3	1



“Select all the participants who are under the age of 18”

**SELECT \* FROM 'participants' WHERE 'DOB' > '2002-01-13'**

SELECT \* FROM 'participants' WHERE 'DOB' > '2002-01-13'

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	Participant_ID	S_Name	F_Name	Email	Contact_Tel	DOB	Gender	Miles_Completed	Power_Output	Club_ID	Event_ID
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	Terrance	Rawet	trawet0@github.com	1579862188	2010-06-05	Male	355	10368	6	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	Sorcha	Banasik	sbanasik1@de.vu	5519703706	2011-09-11	Female	132	4270	4	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	13	Austin	Etoile	aetoile2@slideshare.net	1757664220	2011-09-02	Male	513	4870	2	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	14	Beuscher	Byran	bbeuscher3@google.com.au	1863310808	2004-06-23	Male	410	73	3	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15	Wiltsher	Northrop	nwliltsher4@mac.com	9012163874	2008-04-17	Male	171	1000	3	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	17	Thwaites	Debby	dthwaites6@rediff.com	3342137027	2002-02-19	Female	829	939	5	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	18	Asch	Gordan	gasch7@goo.gl	2754533009	2009-03-02	Male	631	6700	4	1
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	23	Arnott	Solly	sarnottc@ucsd.edu	9502485170	2006-05-22	Male	763	1854	3	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	25	Dorgan	Vera	vdorgane@auda.org.au	3138072364	2004-09-02	Female	631	8145	6	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	26	Wakeling	Lennie	lwakelingf@networksolutions.com	7141670141	2005-10-01	Male	548	1132	2	2
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	28	Kingsford	Marven	mkingsfordh@nbcnews.com	7329283638	2012-09-24	Male	40	120	2	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	29	Fitness	Sabrina	sfitnessi@123-reg.co.uk	3028344197	2009-08-05	Female	250	7472	5	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	30	De La Cote	Hyacinthia	hdelacotej@weebly.com	1255381538	2003-11-18	Female	263	5287	4	3

“Register a new participant”

1 row inserted.  
Inserted row id: 32 (Query took 0.0047 seconds.)

INSERT INTO 'participants' ('Participant\_ID', 'S\_Name', 'F\_Name', 'Email', 'Contact\_Tel', 'DOB', 'Gender', 'Miles\_Completed', 'Power\_Output', 'Club\_ID', 'Event\_ID') VALUES (NULL, 'Telega', 'Lorine', 'ltelegak@cnn.com', '3051637878', '2000-04-01', 'Female', '345', '4404', '3', '1')

[Edit inline] [Edit] [Create PHP code]

<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	32	Telega	Lorine	ltelegak@cnn.com	3051637878	2000-04-01	Female	345	4404	3	1
---	----	--------	--------	------------------	------------	------------	--------	-----	------	---	---

“Change the miles completed for a participant”

1 row affected.

UPDATE 'participants' SET 'Miles\_Completed' = '100' WHERE 'participants'. 'Participant\_ID' = 32;

[Edit inline] [Edit] [Create PHP code]

<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	32	Telega	Lorine	ltelegak@cnn.com	3051637878	2000-04-01	Female	100	4404	3	1
---	----	--------	--------	------------------	------------	------------	--------	-----	------	---	---

“Select all of the participants for a certain event”

**SELECT \* FROM 'participants' WHERE 'Event\_ID' = '3'**

Showing rows 0 - 12 (13 total, Query took 0.0007 seconds.)

SELECT \* FROM 'participants' WHERE 'Event\_ID' = '3'

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	Participant_ID	S_Name	F_Name	Email	Contact_Tel	DOB	Gender	Miles_Completed	Power_Output	Club_ID	Event_ID
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	11	Terrance	Rawet	trawet0@github.com	1579862188	2010-06-05	Male	355	10368	6	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	12	Sorcha	Banasik	sbanasik1@de.vu	5519703706	2011-09-11	Female	132	4270	4	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	15	Wiltsher	Northrop	nwliltsher4@mac.com	9012163874	2008-04-17	Male	171	1000	3	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	17	Thwaites	Debby	dthwaites6@rediff.com	3342137027	2002-02-19	Female	829	939	5	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	19	Mease	Leisha	lmease8@topsy.com	2931345615	2000-09-24	Female	603	1200	3	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	21	Grazier	Sheila-kathryn	sgrazier@huffingtonpost.com	1745291398	2002-01-05	Female	931	3874	6	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	22	Ainsbury	Rollie	ainsburyb@ca.gov	3623461077	0000-00-00	Male	812	2037	5	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	23	Arnott	Solly	sarnottc@ucsd.edu	9502485170	2006-05-22	Male	763	1854	3	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	25	Dorgan	Vera	vdorgane@auda.org.au	3138072364	2004-09-02	Female	631	8145	6	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	27	MacFadden	Mehetabel	mmacfaddeng@cnn.com	1674659159	0000-00-00	Female	660	117	6	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	28	Kingsford	Marven	mkingsfordh@nbcnews.com	7329283638	2012-09-24	Male	40	120	2	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	29	Fitness	Sabrina	sfitnessi@123-reg.co.uk	3028344197	2009-08-05	Female	250	7472	5	3
<input type="checkbox"/> Edit <input type="checkbox"/> Copy <input type="checkbox"/> Delete	30	De La Cote	Hyacinthia	hdelacotej@weebly.com	1255381538	2003-11-18	Female	263	5287	4	3

“A club has been disqualified for cheating. Delete all of the members for a particular club using just one query”

```
✓ 4 rows affected. (Query took 0.0016 seconds.)
DELETE FROM `participants` WHERE `club_id` = '6'
```

[Edit inline] [Edit] [Create PHP code]

“An email needs to be sent to all of the participants for a particular event. Select just the email address for participants of a particular event. “

✓ Showing rows 0 - 3 (4 total, Query took 0.0003 seconds.)

```
SELECT `Email` FROM `participants` WHERE `Event_ID` = '1'
```

Profiling [Edit inline] [Edit] [Explain SQL] [Create PHP code] [Refresh]

Show all | Number of rows: 25 | Filter rows: Search this table | Sort by key: None

+ Options

	Email
<input type="checkbox"/> Edit Copy Delete	gasch7@goo.gl
<input type="checkbox"/> Edit Copy Delete	cmactague9@elpais.com
<input type="checkbox"/> Edit Copy Delete	fmckeond@fda.gov
<input type="checkbox"/> Edit Copy Delete	ltelegak@cnn.com

“A club has changed its name. Write a query to demonstrate this. “

✓ 1 row affected.

```
UPDATE `clubs` SET `Name` = 'Walruses' WHERE `clubs`.`Club_ID` = 4;
```

[Edit inline] [Edit] [Create PHP code]

☐ Edit Copy Delete 4 Walruses South Shields Rhys Barass

“An event has changed its date. Write a query that changes the date of an event. “

✓ 1 row affected.

```
UPDATE `event` SET `Date` = '2020-06-24' WHERE `event`.`Event_ID` = 2;
```

[Edit inline] [Edit] [Create PHP code]

+ Options

	Location	Date	Time	Event_ID
<input type="checkbox"/> Edit Copy Delete	Newcastle	2020-04-15	1000	1
<input type="checkbox"/> Edit Copy Delete	Sunderland	2020-06-24	1400	2
<input type="checkbox"/> Edit Copy Delete	Middlesbrough	2020-01-08	1600	3