

Indexing Tables in MySQL

Skills you will learn: How to add indexes to MySQL tables using Navicat and Sequel Pro.

Adding Indexes using Navicat

Right click on the name of the table and choose Design Table.



In the dialogue that opens, click on the Indexes tab.



For each index you wish to create, provide a name for the index, choose the field(s) you wish to index, and the index type. The index type should be set as Normal. Index method will be set automatically.

Click save to create the index.

Follow the same steps for each index you wish to create.

If you will use the same combination of fields frequently in queries, you can make an index using more than one field.

Adding Indexes using Sequel Pro

Choose the Structure tab for the table in which you would like to create indexes.

• • •			(MySG	L 5.6.15) MyNewC	onnectio	on/dat	abookdonat	tion	s/donatio	ons					
\$	4		1	M	î	.								<	> 📐	conso Le <mark>off</mark>
Select Database	Structure	Content	Relations	Triggers	Table Info	Query							Tab	le H	istory Users	Console
TABLES	Field	Туре		Length	Unsigned	Zerofill	Binary	Allow Null	Кеу	Default	Extra		Encoding		Collation	Comm
donations	Donor_ID	VARC	HAR 🛟	255				\checkmark		NULL	None	÷	cp1252	0	latin1_swe 🕻	;
Parties	Donor_Last	VARC	HAR 🛟	255						NULL	None	\$	cp1252	¢	latin1_swe 🕻	;
Provious Donations	Donor_First	VARC	HAR 🛟	255				<		NULL	None	\$	cp1252	¢	latin1_swe (;
- reviousbonations	Donor_Initia	I VARC	HAR 🛟	255						NULL	None	\$	cp1252	\$	latin1_swe 🕻	>
	Donor_Add.	VARC	HAR 💲	255				\checkmark		NULL	None	÷	cp1252	¢	latin1_swe 🕻	;
	Donor_City	VARC	HAR 💲	255				<		NULL	None	÷	cp1252	¢	latin1_swe 🕻	;
	Donor_Pro	VARC	HAR 🛟	255				<		NULL	None	\$	cp1252	\$	latin1_swe 🕻	;
	Donor_Age	INT	\$	11				<		NULL	None	\$		$\hat{}$	<	5
	Donor_Gen.	. VARC	HAR 💲	255				<		NULL	None	÷	cp1252	\$	latin1_swe 🕻	;
	Donation	VARC	HAR 💲	255				<		NULL	None	\$	cp1252	¢	latin1_swe \$	5
	Donation	INT	¢	11				<		NULL	None	÷		$\hat{}$	<	5
	PartyCode	VARC	HAR 💲	255				V		NULL	None	\$	cp1252	¢	latin1_swe (2
	streetnum	INT	\$	11				<		NULL	None	÷		$\hat{\mathbf{v}}$	(>
	Street	VARC	HAR 🛟	222						NULL	None	\$	cp1252	\$	latin1_swe (;
	+ INDEXES	(5													/ *
TABLE INFORMATION	Non_unique	e Ki	ey_name	Seq_ir	n_index	Column	name	Collation		Cardinal	lity !	Sub_par	Pack	ed	Comment	
created: 2016-0 engine: InnoDB rows: 10 size: 16.0 KiB encoding: latin1	+	¢														

At the bottom of the screen, below the INDEXES area, click on the + sign.

In the dialogue that opens, under type, choose Primary Key if the index is of the table's primary key; otherwise, you would normally choose INDEX. Choose UNIQUE if the values will always be different.

In the Field area, choose a field for the index. If you wish to have a multi-field index, click on the + sign to add another field.

Key 1	ype: II	NDEX		•
Key N	ame: op	otional		
Field				
Donor_Last				\$
+				
Advanced				
		Cancel	Add	

When you are done, click Add.

The index(es) will appear in the INDEXES area below.

		• · ·	_								~		~
Street	VARCHAR	\$ 222					NULL	None	\$	cp1252	2 🗘 lati	in1_swe	\$
+	¢											1	\$ -
INDEXES													\equiv
Non_unique	Key_na	me Seq	_in_index	Column_	name	Collation	Cardinality	Sub_part	Pa	acked	Comme	nt	
0	Donor_	Address 1		Donor_A	ddress	Α	10	NULL	N	JLL			