



All output from an SQL select statement is normally displayed on screen, by using the 'into outfile' clause in the select statement the User can send the output into a file ...

```
select *  
into outfile '<dir>/<filename.lis'  
from <table>
```

We recommend using the extension of '.lis' to store the output  
Note that the filename can only be used, when the file already exists  
an error occurs ...

```
ERROR 1086 (HY000): File 'c:/course/test.lis' already exists
```

## Simple Queries – Saving output to a file



The output that is written to the file does not contain the column headers and separates the fields with tabs

```
1 HARDWARE      Hardware items including nuts and bolts      2017-05-23      \N
2 GARDENING     Contains gardening tools, plants and furniture 2017-05-23      \N
3 BUILDING      Building materials      2017-05-23      \N
4 DECORATING    Contains wallpaper and paint, etc      2017-05-23      \N
5 BATHROOM      Bathroom suites and accessories      2017-05-23      \N
```

Note that null values are displayed by default as '\N'.

Also note that an error can occur if the Administrator has not given 'FILE' privileges.



## Simple Queries – Saving output to a file

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There are a number of options that can be used with the outfile syntax, these are mostly concerned with presenting the data in a more useable format to other software, Microsoft Excel for example, which uses comma separated files, the syntax additions include ...

*fields terminated by ','*  
*optionally enclosed by '\"'*  
*lines terminated by '\n'*

```
select * into outfile 'c:/course/result.csv'  
fields terminated by ','  
optionally enclosed by '\"'  
lines terminated by '\n'  
from club_65
```



The result of the previous syntax changes is as follows ...

```
3,3,"THOMAS","MIKE","M","MR","D","1931-07-12","34 HIGH STREET","SPLOTT","GLASGOW","G12
6,6,"HOWELLS","BETTY","F","MRS","M","1930-01-09","45 WOODHEAD
7,7,"BAKER","RICHARD","M","MR","M","1921-02-10","78 QUAY
8,8,"HARVEY","SHARON","F","MRS","M","1929-03-28","11 GREENHILL
9,9,"HILES","PETER","M","MR","M","1931-12-23","4 SWAY ROAD","DIGBY","MANCHESTER","MA5
10,10,"JOHNSTON","SARAH","F","MRS","M","1932-11-18","9 VIKING WAY","THORNBUSH","EXETER","EX6
11,69,"WARREN","COLIN","M","MR","W","1919-01-01","67A MANSFIELD ROAD","NORTON","IPSWICH","IP8
12,13,"HUNTER","PAT","F","MS","D","1917-09-19","243 UTTOXER NEW ROAD","MANSFIELD","DERBY","DS4
13,70,"HOLMES","ADAM","M","DR","S","1935-02-01","4 SNOWDROP
14,71,"REECE","DAVID","M","MR","W","1922-04-15","67 HERBERT STREET","CANALSIDE","LONDON","HE45
15,72,"CHAN","PETER","M","MR","M","1931-05-11","90 BEACH ROAD","BEACHSIDE","LEIGH","LE45
16,73,"NISBET","CAROL","F","MRS","M","1932-08-07","56 SWAY ROAD","GREENHAM","GRAVESEND","GR45
```



## Simple Queries – Saving output to a file

If named as a 'csv' file it can be opened in Excel ...

The screenshot shows a Microsoft Excel window titled 'Microsoft Excel - result2.csv'. The spreadsheet contains the following data:

	A	B	C	D	E	F	G	H	I	J	K	L	M	N	O	P	Q	R	S	
1	3	3	THOMAS	MIKE	M	MR	D	12/07/1931	34 HIGH S	SPLOTT	GLASGOV	G12 4UH	01262 526	root@local	12/01/2013	\N	\N			
2	6	6	HOWELLS	BETTY	F	MRS	M	09/01/1930	45 WOOD	HIGHGATE	EDINBUR	ED78 8UJ	01371 568	root@local	12/01/2013	\N	\N			
3	7	7	BAKER	RICHARD	M	MR	M	10/02/1921	78 QUAY	HUBBERS	PORTSMO	PO4 8IP	01265 457	root@local	12/01/2013	\N	\N			
4	8	8	HARVEY	SHARON	F	MRS	M	28/03/1929	11 GREEN	MANSLET	BIRMINGH	BM4 5HU	01214 545	root@local	12/01/2013	\N	\N			
5	9	9	HILES	PETER	M	MR	M	23/12/1931	4 SWAY	FDIGBY	MANCHE	MA5 1KL	0161 5698	root@local	12/01/2013	\N	\N			
6	10	10	JOHNSTO	SARAH	F	MRS	M	18/11/1932	9 VIKING	THORNB	EXETER	EX6 L23	01392 874	root@local	12/01/2013	\N	\N			
7	11	69	WARREN	COLIN	M	MR	W	01/01/1919	67A MAN	NORTON	IPSWICH	IP8 1KL	01566 121	root@local	12/01/2013	\N	\N			
8	12	13	HUNTER	PAT	F	MS	D	19/09/1917	243 UTTO	MANSFIE	DERBY	DS4 1LL	03214 458	root@local	12/01/2013	\N	\N			
9	13	70	HOLMES	ADAM	M	DR	S	01/02/1935	4 SNOWD	BRADLEY	BRISTOL	BM45 6YT	01365 256	root@local	12/01/2013	\N	\N			
10	14	71	REECE	DAVID	M	MR	W	15/04/1922	67 HERB	CANALS	SICLOND	HE45 1TT	020 2563	5	root@local	12/01/2013	\N	\N		
11	15	72	CHAN	PETER	M	MR	M	11/05/1931	90 BEACH	BEACHS	SICLEIGH	LE45 1LM	01455 895	root@local	12/01/2013	\N	\N			
12	16	73	NISBET	CAROL	F	MRS	M	07/08/1932	56 SWAY	GREENH	A GRAVE	SEGR45 4OF	01145 889	root@local	12/01/2013	\N	\N			
13	17	74	WILSON	PHYLLIS	F	MRS	W	16/12/1930	154 NEW	BRYN	DARTFOR	DA3 8UL	01221 512	root@local	12/01/2013	\N	\N			
14	18	75	JOHN	ELTON	F	MR	U	25/01/1931	99 MAIN	S MIDDLE	TOWATFOR	WA4 5TR	020 45956	root@local	12/01/2013	\N	\N			
15	19	76	HOOPER	ANNIE	F	MRS	D	30/10/1929	4 EAGLES	HILLGRO	V TAMWOR	FE4 1LL	01996 454	root@local	12/01/2013	\N	\N			
16	20	77	ROBINSON	JIM	M	MR	M	19/10/1936	THE MILL	41 SANDY	IPSWICH	SI6 7YT	01326 124	root@local	12/01/2013	\N	\N			
17	21	78	PENN	ANGELA	F	MS	S	05/12/1929	4 ASHLEY	ASHLEY	F BOURNE	BN90 8UY	01212 456	root@local	12/01/2013	\N	\N			
18	22	79	MORGAN	PAUL	M	MR	M	10/11/1921	5 WYNNDH	CRUNDAL	CREWE	CW67 8UT	01954 221	root@local	12/01/2013	\N	\N			
19	23	24	WALSH	DIANA	F	MRS	W	12/10/1934	24 FINSB	ASHMOUN	BURY	BU4 6RT	01669 726	root@local	12/01/2013	\N	\N			
20	24	80	COATES	PETER	M	MR	M	19/09/1933	65 NEW	R DALTON	MANCHE	MA7 OLL	0161 7854	root@local	12/01/2013	\N	\N			
21	25	81	CHAPMAN	MARY	F	MRS	D	24/10/1926	67 ALFRE	MIDDLE	TOWTELF	TE45 5RT	01655 894	root@local	12/01/2013	\N	\N			
22	26	82	FRIMLEY	ANDREW	M	MR	S	09/08/1931	FOLEY	H C2	MONA C	SWINDON	SW3 5ED	01321 451	root@local	12/01/2013	\N	\N		
23	27	83	KING	ELIZABET	F	MRS	W	21/11/1933	32 HENS	BURTON	LINCOLN	LN89 4ES	01258 747	root@local	12/01/2013	\N	\N			
24	28	84	WHITEHO	COLIN	M	MR	S	13/07/1936	GREENHIL	PORTFIE	L KENT	KE45 0JK	01047 672	root@local	12/01/2013	\N	\N			
25	29	85	BARTON	HELEN	F	MRS	M	18/02/1930	24 WARR	PORTFIE	L CROYDON	CM7 9IO	01678 656	root@local	12/01/2013	\N	\N			
26	30	31	SIMPSON	MARGARE	F	MRS	M	31/05/1934	116 SYCA	EWENNY	BRIDGEN	BR4 6SA	01647 012	root@local	12/01/2013	\N	\N			
27	31	86	EVANS	ERIC	M	MR	D	28/04/1935	6 VICAR	A GREEN	NAC SOUTHA	SO3 7TF	01232 895	root@local	12/01/2013	\N	\N			
28	32	33	WESTERN	KEITH	M	MR	W	03/03/1923	4 BRIDGE	ALTWEN	WORKSO	WO45 7NU	01589 745	root@local	12/01/2013	\N	\N			
29	33	87	WILLIAMS	CAROL	F	MRS	M	19/12/1936	98 MANSF	ELSWICK	NEWCAST	NW3 6FG	01549 357	root@local	12/01/2013	\N	\N			
30	34	37	REEVES	KEN	M	MR	S	12/12/1929	21 CASTL	I HEATON	LANCAST	LA45 6YT	01695 457	root@local	12/01/2013	\N	\N			
31	35	88	BARNES	BOY	M	MR	M	09/08/1931	11 COOPE	HUNLEY	STOKES	ST7 5SD	01754 991	root@local	12/01/2013	\N	\N			

## Simple Queries – Saving output to a file

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Replacing Outfile with Dumpfile will produce an output with no carriage returns, this is ideal when the User wishes to export large objects such as blobs, note that there is no separation of columns ...

```
select *  
into outfile 'c:/course/result.dmp'  
from club_65;
```

```
33THOMASMIKEMMRD1931-07-1234 HIGH STREETSPLOTTGLASGOWG12 4UH01262 526352root@localhost2013-01-12
```