

DavisBase

Page Format Example

CS-6360
Chris Irwin Davis

Page Header

Number of records
There are 4 records on this page.

Start of Content
This is page offset value where the content begins

Right Page
This is page number of the leaf to the right. The value is -1 (0xFFFFFFFF) if this is the rightmost leaf page.

Type of page
This is a table leaf page

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0123456789ABCDEF
0000h:	0D	04	01	8C	FF	FF	FF	FF	01	E5	01	C7	01	AB	01	8C	.....
0010h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0020h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0030h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0040h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0050h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0060h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0070h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0080h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0090h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00A0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00B0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00C0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00D0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00E0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00F0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	AB	.....
0100h:	CD	EF	33	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0110h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0120h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0130h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0140h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0150h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0160h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0170h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0180h:	00	00	00	00	00	00	00	00	00	00	00	00	00	19	00	00	.....
0190h:	00	04	02	1A	09	42	61	72	62	61	72	61	20	54	61	79	....Barbara Tay
01A0h:	6C	6F	72	40	0C	00	00	00	00	00	00	00	16	00	00	00	lor@.....
01B0h:	03	02	17	09	44	61	76	69	64	20	57	65	6C	6C	73	40	....David Wells@
01C0h:	0C	00	00	00	00	00	00	00	18	00	00	00	02	02	19	09	.....
01D0h:	4D	61	72	79	20	57	69	6C	6C	69	61	6D	73	40	0C	00	Mary Williams@..
01E0h:	00	00	00	00	00	00	15	00	00	00	01	02	16	09	4A	6F	.....Jo
01F0h:	68	6E	20	53	6D	69	74	68	40	0C	00	00	00	00	00	00	hn Smith@.....
0200h:																	

Array of Record Locations
This is the array of 2-byte record location offsets. One of each of the four records. They are sorted by their rowid (i.e. PK) values.

Record Header

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0123456789ABCDEF
0000h:	0D	04	01	8C	FF	FF	FF	FF	01	E5	01	C7	01	AB	01	8C	.....
0010h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0020h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0030h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0040h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0050h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0060h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0070h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0080h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0090h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00A0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00B0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00C0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	AB	01	.....
00D0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00E0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00F0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	AB	01	.....
0100h:	CD	EF	33	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0110h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0120h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0130h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0140h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0150h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0160h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0170h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0180h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0190h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
01A0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
01B0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
01C0h:	0C	00	00	00	00	00	00	00	18	00	00	00	02	02	19	09	.....
01D0h:	4D	61	72	79	20	57	69	6C	6C	69	61	6D	73	40	0C	00	.....
01E0h:	00	00	00	00	00	00	15	00	00	00	01	02	16	09	4A	6F	.....
01F0h:	68	6E	20	53	6D	69	74	68	40	0C	00	00	00	00	00	00	.....
0200h:																	.....

The **Record Header** is 6 bytes long:

- Length of payload (2-byte int)
- rowid (4-byte int)

0x01E5
This row

First record has 0x15
bytes of payload content
Stored in a 2-byte INT

First record has rowid=1
Stored in a 4-byte INT

Record payload (i.e. record content)
is 0x15 (i.e. 21) bytes in size
Shaded in blue

Record Payload Content

First Record

This record begins at page offset address 0x01E5

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0123456789ABCDEF
0000h:	0D	04	01	8C	FF	FF	FF	FF	01	E5	01	C7	01	AB	01	8C	.....
0010h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0020h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0030h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0040h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0050h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0060h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0070h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0080h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0090h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00A0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00B0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00C0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00D0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00E0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00F0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	AB	.....
0100h:	CD	EF	33	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0110h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0120h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0130h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0140h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0150h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0160h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0170h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0180h:	00	00	00	00	00	00	00	00	00	00	00	00	00	19	00	00	.....
0190h:	00	04	02	1A	09	42	61	72	62	61	72	61	20	54	61	79	....Barbara Tay
01A0h:	6C	6F	72	40	0C	00	00	00	00	00	00	00	16	00	00	00	lor@.....
01B0h:	03	02	17	09	44	61	76	69	64	20	57	65	6C	6C	73	40	....David Wells@
01C0h:	0C	00	00	00	00	00	00	00	18	00	00	00	02	02	19	09	.....
01D0h:	4D	61	72	79	20	57	69	6C	6C	69	61	6D	73	40	0C	00	Mary Williams@..
01E0h:	00	00	00	00	00	00	15	00	00	00	01	02	16	09	4A	6F	.....Jo
01F0h:	68	6E	20	53	6D	69	74	68	40	0C	00	00	00	00	00	00	hn Smith@.....
0200h:																	

Data type is TEXT since it's greater than 0x0C. Length is value minus 0x0C, i.e. 0x0A or decimal 10 characters long.

The 0x0A, ten ASCII character string (shaded in blue).

Record Payload Content

First Record

This record begins at page offset address 0x01E5

	0	1	2	3	4	5	6	7	8	9	A	B	C	D	E	F	0123456789ABCDEF
0000h:	0D	04	01	8C	FF	FF	FF	FF	01	E5	01	C7	01	AB	01	8C	.....
0010h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0020h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0030h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0040h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0050h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0060h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0070h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0080h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0090h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00A0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00B0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00C0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00D0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00E0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
00F0h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	AB	.....
0100h:	CD	EF	33	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0110h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0120h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0130h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0140h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0150h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0160h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0170h:	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	00	.....
0180h:	00	00	00	00	00	00	00	00	00	00	00	00	00	19	00	00	.....
0190h:	00	04	02	1A	00	00	00	00	00	00	00	00	20	54	61	79	.....Barbara Tay
01A0h:	6C	6F	72	40	00	00	00	00	00	00	00	00	16	00	00	00	lor@.....
01B0h:	03	02	17	09	40	00	00	00	00	00	00	00	6C	6C	73	40	....David Wells@
01C0h:	0C	00	00	00	00	00	00	00	18	00	00	00	02	02	19	09	.....
01D0h:	4D	61	72	79	20	57	69	6C	6C	69	61	6D	7A	40	0C	00	Mary Williams@..
01E0h:	00	00	00	00	00	00	15	00	00	00	01	02	16	09	4A	6F	.....Jo
01F0h:	68	6E	20	53	6D	69	74	68	40	0C	00	00	00	00	00	00	hn Smith@.....
0200h:																	

Data type is DOUBLE
since it's 0x09

The 8-byte double precision floating point (shaded in blue).