

2

Bigint : 8 bytes	8
Integer : 4 bytes	4
Smallint : 2 bytes	2
Tinyint : 1 byte	1
Float : 8 bytes	8
Datetime : 8 bytes	8
Money : 8 bytes	8
Char : 1 byte	1
Varchar : 1 byte	1

Step 1 Calculate table size

<u>Customer</u>	<u>Field Type</u>	<u>Field Size</u>
cus_code	int	4
cus_lname	var	50
cus_fname	var	50
cus_initial	chr	1
cus_areacode	int	3
cus_phone	chr	8
cus_balance	mon	8
		124
Overhead		2
		<u>126</u>

Step 2 How many rows per page

Row/page: **64** Rows / MB

<u>Vendor</u>	<u>Field Type</u>	<u>Field Size</u>
v_code	int	4
v_name	var	50
v_contact	var	50
v_areacode	int	4
v_phone	chr	8
v_state	chr	2
v_order	chr	1
		119
Overhead		2
		<u>121</u>

Row/page: **67** Rows / MB

<u>Invoice</u>	<u>Field Type</u>	<u>Field Size</u>
inv_number	int	4
cus_code	int	4
inv_date	date	8

Row/page: **448** Rows / MB

16
 Overhead 2
18

<u>Line</u>	<u>Field Type</u>	<u>Field Size</u>
inv_number	int	4
line_number	sint	2
p_code	chr	8
line_units	sint	2
line_price	mon	8

Row/page: 310 Rows / MB

24
 Overhead 2
26

<u>Product</u>	<u>Field Type</u>	<u>Field Size</u>
p_code	chr	8
p_descrpt	var	100
p_indate	date	8
p_ooh	int	4
p_mn	int	4
p_price	mon	8
p_discount	flo	8
v_code	int	4

Row/page: 55 Rows / MB

144
 Overhead 2
146

TOTAL ESTIMATED DISK SIZE:

4.24
5 MB

Step 3 Number of pages required for
Estimated 1000 rows per year
Period to estimate for 10 years
Number of rows recorded: 10000
Number of pages needed: 156

Step 4 Number of extents to hold pages
Extents 20

Step 5 The size of
Estimated c

1000 rows per year
Period estimate 10 years
Number of rows recorded: 10000
Number of pages needed: 150

Extents 19

Estimated c

1000 rows per year
Period estimate 10 years
Number of rows recorded: 10000
Number of pages needed: 22

Extents 3

Estimated c

1000 rows per year
Period estimate 10 years
Number of rows recorded:
Number of pages needed:

10000

32

Extents

4

Estimated c

1000 rows per year
Period estimate 10 years
Number of rows recorded:
Number of pages needed:

10000

181

Extents

23

Estimated c

disk required in MB

disk size: **1.22** MB

disk size: **1.17** MB

disk size: **0.17** MB

disk size: **0.25** MB

disk size: **1.42** MB