

# Bitmap Index

<b>Emp no</b>	<b>Status</b>	<b>Region</b>	<b>Gender</b>	<b>Info</b>
101	single	east	male	bracket_1
102	married	central	female	bracket_4
103	married	west	female	bracket_2
104	divorced	west	male	bracket_4
105	single	central	female	bracket_2
106	married	central	female	bracket_3

<b>REGION='east'</b>	<b>REGION='central'</b>	<b>REGION='west'</b>
1	0	0
0	1	0
0	0	1
0	0	1
0	1	0
0	1	0

# Bitmap Indexes

```
SELECT COUNT(*)
FROM CUSTOMER
WHERE MARITAL_STATUS = 'married'
AND REGION IN ('central','west');
```

status = 'married'		region = 'central'		region = 'west'					
0		0		0		0		0	
1		1		0		1		1	
1	<b>AND</b>	0	<b>OR</b>	1	=	1	<b>AND</b>	1	=
0		0		1		0		1	
0		1		0		0		1	
1		1		0		1		1	