

-- 11g

```
SQL> create table radiohead (id number, code varchar2(5), name varchar2(20));
```

Table created.

```
SQL> begin
  2 for i in 1..10000 loop
  3   insert into radiohead values(1, 'AAA', 'Description A');
  4   insert into radiohead values(2, 'BBB', 'Description B');
  5   insert into radiohead values(3, 'CCC', 'Description C');
  6   insert into radiohead values(4, 'DDD', 'Description D');
  7   insert into radiohead values(5, 'EEE', 'Description E');
  8   insert into radiohead values(6, 'FFF', 'Description F');
  9   insert into radiohead values(7, 'GGG', 'Description G');
 10   insert into radiohead values(8, 'HHH', 'Description H');
 11   insert into radiohead values(9, 'III', 'Description I');
 12   insert into radiohead values(10, 'JJJ', 'Description J');
 13 end loop;
 14 commit;
 15 end;
 16 /
```

PL/SQL procedure successfully completed.

```
SQL> create index radiohead_idx on radiohead(id, code);
```

Index created.

```
SQL> exec dbms_stats.gather_table_stats(ownname=>null, tabname=>'RADIOHEAD',
estimate_percent=>null, cascade=>true, method_opt=>'FOR ALL COLUMNS SIZE 1');
```

PL/SQL procedure successfully completed.

```
SQL> alter index radiohead_idx monitoring usage;
```

Index altered.

```
SQL> select * from v$object_usage where index_name = 'RADIOHEAD_IDX';
```

INDEX_NAME	TABLE_NAME	MON USE	START_MONITORING	END_MONITORING
RADIOHEAD_IDX	RADIOHEAD	YES NO	09/16/2008 11:08:05	

```
SQL> set autotrace traceonly
```

```
SQL> select * from radiohead where id = 2 and code = 'BBB';
```

10000 rows selected.

Execution Plan

Plan hash value: 2516349655

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		10000	205K	100 (1)	00:00:02
* 1	TABLE ACCESS FULL	RADIOHEAD	10000	205K	100 (1)	00:00:02

Predicate Information (identified by operation id):

1 - filter("ID"=2 AND "CODE"='BBB')

Statistics

```
-----
181 recursive calls
0 db block gets
391 consistent gets
0 physical reads
0 redo size
50684 bytes sent via SQL*Net to client
407 bytes received via SQL*Net from client
3 SQL*Net roundtrips to/from client
6 sorts (memory)
0 sorts (disk)
10000 rows processed
```

```
SQL> set autotrace off
```

```
SQL> select * from v$object_usage where index_name = 'RADIOHEAD_IDX';
```

INDEX_NAME	TABLE_NAME	MON USE	START_MONITORING	END_MONITORING
RADIOHEAD_IDX	RADIOHEAD	YES NO	09/16/2008 11:08:05	

```
SQL> select index_name, distinct_keys from dba_indexes where index_name = 'RADIOHEAD_IDX';
```

```
INDEX_NAME    DISTINCT_KEYS
-----
RADIOHEAD_IDX          10
```

```
SQL> drop index radiohead_idx;
```

Index dropped.

```
SQL> select * from radiohead where id = 2 and code = 'BBB';
```

10000 rows selected.

#### Execution Plan

Plan hash value: 2516349655

Id	Operation	Name	Rows	Bytes	Cost (%CPU)	Time
0	SELECT STATEMENT		1000	21000	100 (1)	00:00:02
* 1	TABLE ACCESS FULL	RADIOHEAD	1000	21000	100 (1)	00:00:02

#### Predicate Information (identified by operation id):

1 - filter("ID"=2 AND "CODE"='BBB')

#### Statistics

```
1 recursive calls
0 db block gets
365 consistent gets
0 physical reads
0 redo size
50684 bytes sent via SQL*Net to client
407 bytes received via SQL*Net from client
3 SQL*Net roundtrips to/from client
0 sorts (memory)
0 sorts (disk)
10000 rows processed
```