



```
iii. Functional Based Indexes:
-> these indexes are created by using BUILT-IN FUNCTIONS
ex:- create index fun_ind on emp( lower(job) );
select * from emp where job='clerk';
job(index)
clerk
manager
CLERK
ANALYST
MANAGER
president
1000
400 -> small case letters
600 -> upper case letters
select * from emp where job='clerk';
UNIQUE INDEXES:
```

-> these indexes are created on UNIQUE Data columns
ex:-
Create unique index uni_job_ind on Emp(job); => Error
Create unique index uni-empno-ind on Emp(empno);
note: Indexes are not created on if any column datatype contains LOB, BLOB, CLOB, RAW, LONG RAW, etc., datatypes
** to see the created indexes names
select * from user_indexes;
** Oropping Indexes:
Orop Index my_ind;
SEQUENCES:
-> Sequences are used to generate sequence of numbers automatically
-> Sequences are supports only Numarics
-> Sequences are supports two pseudo columns

i. currval ii. nextval