

## PRACTICAL -1

**Aim:** - To study datatypes of DBMS in Oracle

CODE	DATA TYPE	DESCRIPTION
1	Varchar2(size [byte/char])	Variable length character string having maximum length size bytes (or) character. minimum size =1-byte, maximum size =32767 bytes (Extended) ,4000 bytes (standard).
1	NVarchar2(size)	Variable length Unicode character straight having maximum length size character.
2	Number[(p[s])]	Number having precision pond scales, the precision p can range from -84 to 127 both precision & scale are decimal digits values ranges 1-22 bytes.
8	Long	Character data of variable length up to 2 GB.
2	Float [(p)]	A subtype of the number data types having precision of P- represented internally as number range is from 1 to 126 binary digits.
12	Data	Valid data range from January 1 ,4712 BC to dec 31 ,9999 AD. the size is fixed at 7 bytes. this datatype contains the data time fields YEAR, MONTH, DAY, HOUR, MINUTE & SECOND.
23	RAW	Raw binary data of length size bytes, max size =32767 bytes ,2000 bytes.
96	CHAR [(size [byte/char])]	Fixed length character data of length size bytes max size is 2000 bytes, default size is 1 byte.
96	N Char [(size)]	Fixed length Unicode character string having maximum length size character.
113	BLOB	A binary large object. Maximum size is 4GB.
114	BFILE	Contains a locator to a large binary file stored outside the data based max size is 4GB.
119	JSON	Maximum size is 32MB.
252	BOOLEAN	Boolean datatype comprises the distinct truth values. True &False unless prohibited by not null constraint, the Boolean data type also support the truth values unknown as the null value.
11	ROWID	Physical address of a row in the database.
104	UROWID	Universal row ID for globally unique identifiers.
24	LONG	Variable-length character data (up to 2 GB).
24	LONGRAW	Variable-length binary data (up to 2 GB).
180	TIMESTAMP	Date & Time data with fractional seconds.
112	CLOB	Character large object data.

