

DBMS LAB

AIM1: To study about various Oracle datatypes.

Code	Data type	Description
1	VARCHAR2(Size)	Variable length character string having minimum length size bytes/characters. Min size =1 char Max size =4000(standard) = 32767(Extended)
1	NVARCHAR2(Size)	Variable length Unicode character string having max length size bytes Max size=4000(standard) =32767(Extended)
2	Number [(P [,5])]	Number having precision p and scale s. The precision can range from 1 to 38. The scales can range from -84 to 127.Both precision and scale are decimal digits. A number values required from 1 to 22 bytes.
2	Float[(p)]	A subtype of numbers having precision p. A float is internally represented as number. The precision p can range from 1 to 126 binary digits, requires 1 to 22 bytes.
8	long	Character data of variable length up to 2 gigabytes or $2^{31} - 1$ bytes
12	Date	The size is fixed at 7 bytes, date time fields, YEAR, MONTH, DAY, HOUR, MINUTE, and SECONDS. Does not have fractional seconds
23	RAW (size)	RAW binary data of length size bytes. you must specify size of raw value. Max size= 32767 B(Extended) =2000 B (Standard)
24	Long Raw	Variable length up to 2GB
69	ROWID	Base 64 string representing the unique address of a row in its table. The datatypes is primarily for values returned by the ROWID
96	CHAR[(size)]	Fixed length character data of length size bytes. Max size=2000 B(Default) Min size=1 B
113	BLOB	A binary large object (Maximum size is (4GB))
114	BFILE	Contains a locator to a large binary file stored outside the database. Maximum size 4 gigabytes
119	JSON	Max size is 32 MB
252	BOOLEAN	Unless Prohibited by NOT NULL Constraints, the Boolean data type also supports the truth value UNKNOWN as the Null value

