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. |