



# VIDYA BHAWAN BALIKA VIDYAPITH

SHAKTI UTTAN ASHRAM, LAKHISARAI

INFORMATION TECHNOLOGY FOR CLASS 10

(Study material Based on N.C.E.R.T)

RAAUSHAN DEEP

DATE- 29.08.2020(SATURDAY)

## UNIT 7: DATABASE DEVELOPMENT (BASIC)

### 1. Alphanumeric Types:

Name	Data type	Description
LONGVARCHAR	Memo	Stores up to the max length or number indicated by user. It accepts any UTF 8 character.
CHAR	Text(fix)	Stores exactly the length specified by user. Pads with trailing spaces for shorter strings. Accepts any UTF 8 character.
VARCHAR	Text	Stores up to the specified length. No padding (Same as long VAR CHAR)
VARCHAR_IGNORE CASE	Text	Stores up the specified length. Comparisons are not case sensitive but stores capitals as you type them.

### 2. Binary Types:

Binary data types are used for storing data in binary formats. Binary data types in a database can be using for storing photos, music files, etc. In other word, files of any format can be stored using the binary data type. The different types of binary data types available are listed here.

Name	Data Type	Description
LONGVARBINARY	Image	Stores any array of bytes (image, sounds, etc.). No validation required.
BINARY	Binary(Fix)	Stores any array of bytes. No validation required.
BARBINARY	Binary	Stores any array of bytes. No validation Required

### 3. Date time:

Date time data types are used for describing date and time values for the field used in the table of a database. Date time data types in a database can be using for storing information such a s date of birth, date of admission, date of product sale, etc.

Name	Description	Format
Date	Stroes month, day and year information	1/1/99 to 1/1/9999
Time	Stores hour, minute and second information	Seconds since 1/1/1970
Timestamp	Stores date and Time information	