UniCode

- ↗ **Universal Char Encoding Standard**

- ↗ **Almost All World Characters**

- ↗ **UTF-8 , UTF-16 and UTF-32 (formats)**

- ↗ **ASCII , ISO8859-1 – Other Schemas**

- ↗ **An AI Default Character schema**

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- ↗ **ASCII 1 Byte length / char (128 chars)**

- ↗ **UTF-8 1 to 4 Bytes / char (1.1 Million chars)**

- ↗ **UTF-16 2 to 4 Bytes / char**

- ↗ **UTF-32 4 Bytes / char**

- ↗ **ISO 8859-1 Latin-1 format (European)**

Size of UTF-16

- ↗ **500 (Eng) = 500 chars * 2bytes**
- ↗ **500 (Non Eng) = 500 chars * 3byes (mostly)**

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- ↗ **Usage :**

- ↗ **Web Page – Sent text in UTF-8**

- ↗ **Database – Stored in UTF-16 or UTF -8**

- ↗ **User Inputs – in ISO8859 or UTF-8 based on locale**

- ↗ **Internationalization – Multi language**

- ↗ **Localization – Specific region language**

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