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| **Feature** | **ASCII** | **Unicode** |
| **Number of Characters** | 128 characters | Over 1.1 million characters |
| **Character Support** | Only supports **English letters, digits, and basic symbols** | Supports **all languages** (like Arabic, Chinese, Hindi) and even emojis |
| **Encoding Size** | Uses **7 or 8 bits** per character (fixed size) | Uses **variable sizes** (8, 16, or 32 bits), allowing more characters to be represented |
| **Example Characters** | 'A' -> 65, 'a' -> 97 | 'A' -> 65, '😊' -> 128522, 'क' -> 2325 |
| **Common Usage** | Mainly used for **older systems** and **English text** | Used in **modern systems** to represent **any text in any language** globally |