Base64 Encoding System Description:

Base64 encoding is used for sending a binary message over the net. In this scheme, groups of 24bit are broken into four 6 bit groups and each group is encoded with an ASCII character. For binary values 0 to 25 ASCII character 'A' to 'Z' are used followed by lower case letters and the digits for binary values 26 to 51 & 52 to 61 respectively. Character '+' and '/' are used for binary value 62 & 63 respectively. In case the last group contains only 8 & 16 bits, then "==" & "=" sequence are appended to the end.

For more information:

https://www.base64encoder.io/learn/