**[한글오토마타 관련 문서](http://minimonk.tistory.com/1406)**

유니코드에 있어 한글 오토마타는 쉬운편이다.  
아무튼 초성/중성/종성 을 수식대로 입력을 하면 딱! 하고 코드값이 나오는 형식이다.  
제한적이지만 어느정도 한글창제 원리에 맞추어 "조합형" 식으로 나열을 했기 때문이다.  
  
한글 조합하기

|  |
| --- |
| 한글글자 = 초성 \* 21 \* 28 + (중성 - 19) \* 28 + (종성 - 40) + **BASE\_CODE**(한글코드 테이블의 첫번째 문자코드)  예) 강 = ㄱ + ㅏ + ㅇ           = 0 \* 21 \* 28 + (19 - 19) \* 28 + (61 - 40) + **0xAC00** = 0xAC00(44032) + 21          = 44053          = 0xAC15  [링크 : <http://codepedia.tistory.com/42>] |

한글 분해하기

|  |
| --- |
| Jong = UniValue % 28; Jung = ( ( UniValue - Jong ) / 28 ) % 21; Cho = parseInt (( ( UniValue - Jong ) / 28 ) / 21);  [링크 : <http://zextor.tistory.com/2669852>] |

한글 갯수

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 초성은 19개 중성은 21개 종성은 28개   |  |  | | --- | --- | | 정렬 순서 | | | 첫소리 | ㄱ ㄲ ㄴ ㄷ ㄸ ㄹ ㅁ ㅂ ㅃ ㅅ ㅆ ㅇ ㅈ ㅉ ㅊ ㅋ ㅌ ㅍ ㅎ | | 가운뎃소리 | ㅏ ㅐ ㅑ ㅒ ㅓ ㅔ ㅕ ㅖ ㅗ ㅘ ㅙ ㅚ ㅛ ㅜ ㅝ ㅞ ㅟ ㅠ ㅡ ㅢ ㅣ | | 끝소리 | ( ) ㄱ ㄲ ㄳ ㄴ ㄵ ㄶ ㄷ ㄹ ㄺ ㄻ ㄼ ㄽ ㄾ ㄿ ㅀ ㅁ ㅂ ㅄ ㅅ ㅆ ㅇ ㅈ ㅊ ㅋ ㅌ ㅍ ㅎ |   [링크 : <http://kudak.egloos.com/740202>] [링크 : <http://www.w3c.or.kr/i18n/hangul-i18n/ko-code.html>] [링크 : [http://ko.wikipedia.org/wiki/한글](http://ko.wikipedia.org/wiki/%ED%95%9C%EA%B8%80)] |

초성

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㄱ | ㄲ | ㄴ | ㄷ | ㄸ | ㄹ | ㅁ | ㅂ | ㅃ | ㅅ | ㅆ | ㅇ | ㅈ | ㅉ | ㅊ | ㅋ | ㅌ | ㅍ | ㅎ |
| r | R | s | e | E | f | a | q | Q | t | T | d | w | W | c | z | x | v | g |

중성

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㅏ | ㅐ | ㅑ | ㅒ | ㅓ | ㅔ | ㅕ | ㅖ | ㅗ | ㅘ | ㅙ | ㅚ | ㅛ | ㅜ | ㅝ | ㅞ | ㅟ | ㅠ | ㅡ | ㅢ | ㅣ |
| k | o | I | O | j | p | u | P | h | hk | ho | hl | y | n | nj | np | nl | b | m | ml | l |

종성

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ㄱ | ㄲ | ㄳ | ㄴ | ㄵ | ㄶ | ㄷ | ㄹ | ㄺ | ㄻ | ㄼ | ㄽ | ㄾ | ㄿ | ㅀ | ㅁ | ㅂ | ㅄ | ㅅ | ㅆ | ㅇ | ㅈ | ㅊ | ㅋ | ㅌ | ㅍ | ㅎ |
| r | R | rt | s | sw | sg | e | f | fr | fa | fq | ft | fx | fv | fg | a | q | qt | t | T | d | w | c | z | x | v | g |