

```

#include <stdio.h>
#include <stdlib.h>
#include <time.h>

int main( void )
{
    long i; /* loop counter */
    int j; /* loop counter */
    int x; /* first die */
    int y; /* second die */
    int sum[ 13 ] = { 0 }; /* count occurrences of each combination */
    int count=0;

    srand( time( NULL ) ); /* seed random number generator */

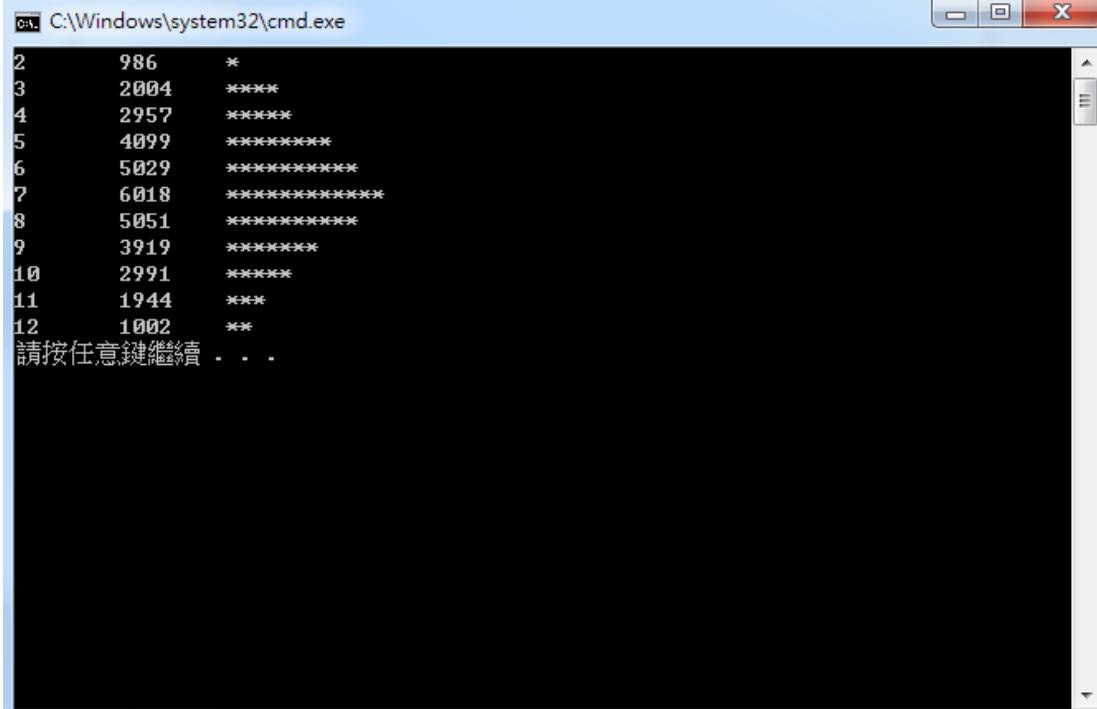
    /* roll dice 36,000 times */
    for ( i = 1; i <= 36000; i++ ) {
        x = 1 + rand() % 6;
        y = 1 + rand() % 6;
        ++sum[ x + y ];
    } /* end for */

    /* display results of rolling dice */
    for ( j = 2; j <= 12; j++ ) {
        printf( "%d\t%d \t", j, sum[j] );
        count=sum[j]/500;
        for(int k=1;k<=count;k++)
        {
            printf( "*" );
        }
        printf( "\n" );

    } /* end for */

```

```
return 0; /* indicate successful termination */  
} /* end main */
```



The screenshot shows a Windows command prompt window titled "C:\Windows\system32\cmd.exe". The window contains the following text:

```
2      986      *  
3     2004     ****  
4     2957     *****  
5     4099     *****  
6     5029     *****  
7     6018     *****  
8     5051     *****  
9     3919     *****  
10    2991     *****  
11    1944     ***  
12    1002     **  
請按任意鍵繼續 . . .
```