SHIN,CHAE UN (신채운) / 202135789

## Source codes & Comment

// 아래 네모 안에 코드를 복사하여 붙일 것

|  |
| --- |
| #define \_CRT\_SECURE\_NO\_WARNINGS  #include <stdio.h>  #include <string.h>  #include <stdlib.h>  /\*  name:Shin Chae Un  Date:11/26  Student number: 202135789  description: Write a C program that reads a character and displays each bit of the character  Note: A character has 8 bits.  Hint: Use a mask 0x80, and left shift the mask (or right shift the character read) 1 bit at a time.  \*/  #define mask 0x80 //define mask  void displaybit(char);  void main() {  char ch;  printf("\nplease type character: ");  scanf\_s("%c", &ch);  displaybit(ch);  }  void displaybit(char ch) {  int m = mask;  printf("character is ");  char display;  int compare = 0x1;  for (int i = 0; i < 8; i++) { //compare each bit of character and print 0 or 1  display = m & ch;  if (display >= compare)  printf("1");  else printf("0");    m = m >> 1;  }  } |

## Inspect the program (testing)

// 자가 점검 후 네모 안에 v표시

**🗹** Check loop, if else, switch, function.

**🗹** Check variable initialization.

**🗹** Check pointers.

## Test cases & Output (Screenshots)

|  |  |
| --- | --- |
| # | [스크랜 샷 설명] |
| (유의사항: 전체 화면을 캡쳐 하지 말고, 실행 화면만 잘라 붙여 결과를 잘 확인할 수 있게 처리바람) | |

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|  |

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