```
  1  Turbo Assembler    Version 2.0      12/14/08 22:28:44       Page 1
  2  ASM_KST2.ASM
  3
  4        1                   ;
  5        2                   ; Kestutis   Stankevicius, II-06/3
  6        3                   ; Asemblerinis programavimas
  7        4                   ;
  8        5                   ; 2 Auditorijos darbas:
  9        6                   ;
 10        7                   ;    a + b = x
 11        8                   ;
 12        9  0000             stekas SEGMENT STACK
 13       10  0000  0100*(??)         DB 256 DUP (?) ; isskiriame atmintyje 256 baitus
 14       11  0100             stekas ENDS
 15       12
 16       13  0000             duomenys SEGMENT
 17       14                   ; aprasome   kintamuosius
 18       15  0000  03           a  DB 3
 19       16  0001  06           b  DB 6
 20       17  0002  00 24        x  DB 0, '$'
 21       18
 22       19  0004             duomenys ENDS
 23       20
 24       21  0000             programa SEGMENT
 25       22                   ASSUME CS:programa, DS:duomenys, SS:stekas
 26       23
 27       24  0000             START:
 28       25                   ; pradzia
 29       26  0000  B8 0000s        MOV AX, duomenys
 30       27  0003  8E D8          MOV DS, AX
 31       28
 32       29                   ; isvalyti   ekrana
 33       30  0005  B8 0002        MOV AX, 0002h
 34       31  0008  CD 10          INT 10h
 35       32
 36       33                   ; skaiciavimai
 37       34  000A  8A 26 0000r     MOV AH, a
 38       35  000E  02 26 0001r     ADD AH, b
 39       36  0012  80 C4 30        ADD AH, 30h
 40       37
 41       38                   ; atvaizdavimas
 42       39  0015  88 26 0002r     MOV x, AH
 43       40  0019  B4 09          MOV AH, 09h
 44       41  001B  BA 0002r        LEA DX, x
 45       42  001E  CD 21          INT 21h
 46       43
 47       44                   ; paspausti bet koki klavisa
 48       45  0020  B4 07          MOV AH, 07h
 49       46  0022  CD 21          INT 21h
 50       47
 51       48                   ; iseiti is programos
 52       49  0024  B4 4C          MOV AH, 4ch
 53       50  0026  CD 21          INT 21h
 54       51
 55       52  0028             programa ENDS
 56       53
 57       54                   END START
 58  ▉▉
 59  Symbol Table
 60
 61
 62  Symbol Name          Type     Value
 63
 64  ??DATE               Text     "12/14/08"
 65  ??FILENAME           Text     "ASM_KST2"
 66  ??TIME               Text     "22:28:44"
 67  ??VERSION            Number 0200
 68  @CPU             Text    0101H
 69  @CURSEG              Text     PROGRAMA
 70  @FILENAME            Text     ASM_KST2
 71  @WORDSIZE            Text     2
 72  A            Byte     DUOMENYS:0000
```

```
73   B              Byte      DUOMENYS:0001
74   START                Near      PROGRAMA:0000
75   X              Byte      DUOMENYS:0002
76
77   Groups & Segments        Bit Size Align   Combine Class
78
79   DUOMENYS            16  0004 Para       none
80   PROGRAMA            16  0028 Para       none
81   STEKAS               16  0100 Para        Stack
82   FF
```