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1 Turbo Assembler Version 2.0 12/14/08 23:40:36 Page 1
2 ASM_KST6.ASM
3
4 1 ;
5 2 ; Kestutis Stankevicius, II-06/3
6 3 ; Asemblerinis programavimas
7 4 ;
8 5 ; 6 Auditorijos darbas:
9 6 ;
10 7 ; Ivedamas ir atvaizduojamas tekstas per viduri atvirksciai
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 19 00 19*(20) ivsr DB 25, 0, 25 DUP(' ')
19 16 001B 19*(20) spsr DB 25 DUP(' ')
20 17 0034 02 du DB 2
21 18 0035 49 76 65 73 6B 69 74+ pranesimas DB 'Iveskite pavarde: ','$'
22 19 65 20 70 61 76 61 72+
23 20 64 65 3A 20 24
24 21
25 22 0048 duomenys ENDS
26 23
27 24 0000 programa SEGMENT
28 25 ASSUME CS:programa, DS:duomenys, SS:stekas
29 26
30 27 0000 START:
31 28 ; pradzia
32 29 0000 B8 0000s MOV AX, duomenys
33 30 0003 8E D8 MOV DS, AX
34 31
35 32 ; isvalyti ekrana
36 33 0005 B8 0002 MOV AX, 0002h
37 34 0008 CD 10 INT 10h
38 35
39 36 ; pranesimas
40 37 000A B4 09 MOV AH, 09h
41 38 000C BA 0035r LEA DX, pranesimas
42 39 000F CD 21 INT 21h
43 40
44 41 ; ivedimas
45 42 0011 B4 0A MOV AH, 0Ah
46 43 0013 BA 0000r LEA DX, ivsr
47 44 0016 CD 21 INT 21h
48 45
49 46 ; $ gale ivesto teksto
50 47 0018 BF 001Br LEA DI, spsr
51 48 001B BE 0002r LEA SI, ivsr+2
52 49 001E 8A 1E 0001r MOV BL, ivsr+1
53 50 0022 B7 00 MOV BH, 0
54 51 0024 03 F3 ADD SI, BX ; adresas kur siusime $ zenkla
55 52
56 53 0026 4E DEC SI ; sumazinam SI -1
57 54
58 55 ; raidziu apkeitimas
59 56 0027 8A 0E 0001r MOV CL, ivsr+1
60 57 002B B5 00 MOV CH, 0
61 58
62 59 002D ciklas:
63 60 002D 8A 3C MOV BH, [SI]
64 61 002F 88 3D MOV [DI], BH
65 62 0031 4E DEC SI ; sumazinam SI -1
66 63 0032 47 INC DI ; padidynam DI +1
67 64 0033 E2 F8 LOOP ciklas
68 65
69 66 0035 B7 24 MOV BH, '$'
70 67 0037 88 3D MOV [DI], BH ; spausdinimo pabaiga
71 68
72 69 ; skaiciuojam kur spausdinti

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73      70 0039 B0 50      MOV AL, 80
74      71 003B B4 00      MOV AH, 0
75      72 003D 2A C3      SUB AL, BL      ; atimtis
76      73 003F F6 36 0034r DIV du
77      74 0043 8A D0      MOV DL, AL      ; randam kur pradeti spausdinti
78      75 0045 B6 0C      MOV DH, 12
79      76 0047 B4 02      MOV AH, 02      ; 12 eilute
80      77 0049 B7 00      MOV BH, 00      ; puslapio numeris
81      78 004B CD 10      INT 10h      ; i paskaiciuota vieta pastatom zymekli spausdinimui
82      79
83      80      ; spausdinimas
84      81 004D B4 09      MOV AH, 09h
85      82 004F BA 001Br   LEA DX, spsr
86      83 0052 CD 21      INT 21h
87      84
88      85      ; paspausti bet koki klavisa
89      86 0054 B4 07      MOV AH, 07h
90      87 0056 CD 21      INT 21h
91      88
92      89      ; iseiti is programos
93      90 0058 B4 4C      MOV AH, 4ch
94      91 005A CD 21      INT 21h
95      92
96      93 005C      programa ENDS
97      94
98      95      END START

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100 Symbol Table

101

102

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Symbol	Name	Type	Value
??DATE		Text	"12/14/08"
??FILENAME		Text	"ASM_KST6"
??TIME		Text	"23:40:36"
??VERSION		Number	0200
@CPU		Text	0101h
@CURSEG		Text	PROGRAMA
@FILENAME		Text	ASM_KST6
@WORDSIZE		Text	2
CIKLAS		Near	PROGRAMA:002D
DU		Byte	DUOMENYS:0034
IVSR		Byte	DUOMENYS:0000
PRANESIMAS		Byte	DUOMENYS:0035
SPSR		Byte	DUOMENYS:001B
START		Near	PROGRAMA:0000

Groups & Segments	Bit	Size	Align	Combine	Class
DUOMENYS	16	0048	Para		none
PROGRAMA	16	005C	Para		none
STEKAS	16	0100	Para		Stack

FF