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1 Turbo Assembler Version 2.0 12/15/08 01:37:58 Page 1
2 Indenai.ASM
3
4 ;
5 ; Kestutis Stankevicius, II-06/3
6 ; Asemblerinis programavimas
7 ;
8 ; Indenu uždavinys su realiais skiciais
9 ;
10 0000 stekas SEGMENT STACK
11 0000 0100*(??) DB 256 DUP(?)
12 0100 stekas ENDS
13
14 = 000D CR EQU 13
15 = 000A LF EQU 10
16
17 0000 duomenys SEGMENT
18 ; aprasome kintamuosius
19 0000 0D 0A 24 crlf DB CR,LF,'$'
20 0003 3FF07AE147AE147B procent DQ 1.03
21 000B 00000000 galut_suma DD 0
22 000F 4038000000000000 suma DQ 24.0
23 0017 0177 skaitliukas DW 375
24 0019 4059000000000000 simtas DQ 100.0
25 0021 0000000A desimt DD 10
26 0025 0B*(??) 24 ats DB 11 DUP(?),'$'
27 Stankevicius II-06/3',CR,LF,LF,'$'
28 0031 0D 0A 20 41 75 74 6F+ aut DB CR,LF, ' Autorius: Kestutis
29 72 69 75 73 3A 20 4B+
30 65 73 74 75 74 69 73+
31 20 53 74 61 6E 6B 65+
32 76 69 63 69 75 73 20+
33 49 49 2D 30 36 2F 33+
34 0D 0A 0A 24
35 005F 20 64 6F 6C 65 72 69+ dol DB ' doleriu...',CR,LF,'$'
36 75 2E 2E 2E 0D 0A 24
37 006D 20 49 6E 64 65 6E 61+ pran DB ' Indenai po tiek metu gaus
38 labai daug pinigų',CR,LF,'$'
39 69 20 70 6F 20 74 69+
40 65 6B 20 6D 65 74 75+
41 20 67 61 75 73 20 6C+
42 61 62 61 69 20 64 61+
43 75 67 20 70 69 6E 69+
44 67 75 0D 0A 24
45
46 009C duomenys ENDS
47
48 0000 programa SEGMENT
49 ASSUME CS:programa, DS:duomenys, SS:stekas
50 .386
51 0000 START:
52 ; pradzia
53 0000 B8 0000s MOV AX, duomenys
54 0003 8E D8 MOV DS, AX
55 ; isvalome ekrana
56 0005 B8 0002 MOV AX, 0002h
57 0008 CD 10 INT 10h
58 ; ciklu skaicius
59 000A 8B 0E 0017r MOV CX, skaitliukas
60 000E DD 06 000Fr fld suma
61 0012 E3 06 jcxz toliau
62 ciklas:
63 0014 DC 0E 0003r fmul procent
64 0018 E2 FA loop ciklas
65 ;
66 toliau:
67 001A DC 0E 0019r fmul simtas
68 001E DB 1E 000Br fistp galut_suma
69 0022 66| A1 000Br MOV eax, galut_suma
70 0026 66| BA 00000000 MOV edx, 0
71 002C BE 000A MOV SI, 10
72 ; konvertuojam
73 desimtaine:

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71      69
72      70      002F 66| F7 36 0021r  DIV desimt
73      71      0034 80 C2 30      ADD DL,30h
74      72      0037 88 94 0025r  MOV ats[SI], DL
75      73      003B 4E          DEC SI
76      74      003C 33 D2          XOR DX,DX
77      75      003E 3C 00          CMP AL, 0
78      76      0040 74 13 90 90    JE pabaiga
79      77      0044 83 FE 08      CMP SI, 8
80      78      0047 74 04 90 90    JE kablelis
81      79      004B EB E2          JMP desimtaine
82      80      004D          kablelis:
83      81      004D C6 84 0025r 2C MOV ats[SI],2ch
84      82      0052 4E          DEC SI
85      83      0053 EB DA          JMP desimtaine
86      84      ; pabaiga
87      85      0055          pabaiga:
88      86      0055 B4 09          MOV AH, 09h
89      87      0057 BA 0031r        LEA DX, aut
90      88      005A CD 21          INT 21h
91      89      005C B4 09          MOV AH, 09h
92      90      005E BA 006Dr        LEA DX, pran
93      91      0061 CD 21          INT 21h
94      92      0063 B4 09          MOV AH, 09h
95      93      0065 BA 0000r        LEA DX, crlf
96      94      0068 CD 21          INT 21h
97      95      006A B4 09          MOV AH, 09h
98      96      006C BA 0025r        LEA DX, ats
99      97      006F CD 21          INT 21h
100     98      0071 B4 09          MOV AH, 09h
101     99      0073 BA 005Fr        LEA DX, dol
102     100     0076 CD 21          INT 21h
103     101     0078 B4 4C          MOV AH, 4ch
104     102     007A CD 21          INT 21h
105     103
106     104      007C          programa ENDS
107     105
108     106      END START
109 Symbol Name      Type      Value
110
111 ??DATE            Text      "12/15/08"
112 ??FILENAME        Text      "Indenai "
113 ??TIME            Text      "01:37:58"
114 ??VERSION         Number  0200
115 @CPU              Text      0D0FH
116 @CURSEG           Text      PROGRAMA
117 @FILENAME          Text      INDENAI
118 @WORDSIZE         Text      4
119 ATS               Byte      DUOMENYS:0025
120 AUT               Byte      DUOMENYS:0031
121 CIKLAS           Near      PROGRAMA:0014
122 CR               Number  000D
123 CRLF             Byte      DUOMENYS:0000
124 DESIMT           Dword     DUOMENYS:0021
125 DESIMTAINE       Near      PROGRAMA:002F
126 DOL              Byte      DUOMENYS:005F
127 GALUT_SUMA       Dword     DUOMENYS:000B
128 KABLELIS         Near      PROGRAMA:004D
129 LF               Number  000A
130 PABAIGA          Near      PROGRAMA:0055
131 PRAN             Byte      DUOMENYS:006D
132 PROCENT          Qword     DUOMENYS:0003
133 SIMTAS           Qword     DUOMENYS:0019
134 SKAITLIUKAS      word      DUOMENYS:0017
135 START            Near      PROGRAMA:0000
136 SUMA             Qword     DUOMENYS:000F
137 TOLIAU           Near      PROGRAMA:001A
138 Groups & Segments Bit Size Align Combine Class
139 DUOMENYS         16 009C Para none
140 PROGRAMA         16 007C Para none
141 STEKAS           16 0100 Para Stack

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