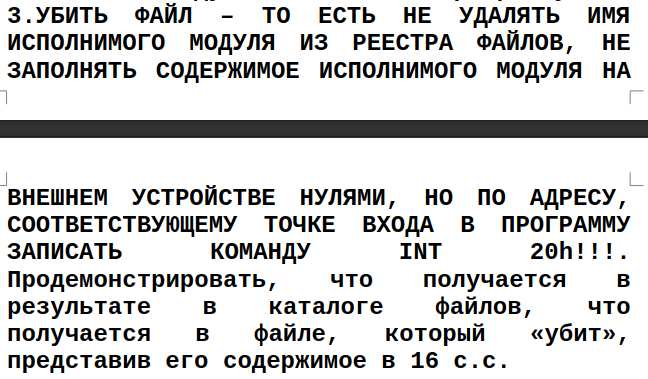
Кражевский Алексей Игоревич

4 курс, 13 группа, кафедра ТП

**Лабораторное занятие 11-13. Часть 3**

Постановка задачи



Разработан следующий исходный текст:

.MODEL TINY

.CODE

ORG 100H

START:

CALL CHECK\_DEBUGGER

JNC DEBUGGER\_NOT\_FOUND\_LABEL

DEBUGGER\_FOUND\_LABEL:

CALL DELETE\_PROGRAM

CALL DEBUGGER\_FOUND

JMP FINISH\_PROGRAM\_LABEL

DEBUGGER\_NOT\_FOUND\_LABEL:

CALL DELETE\_PROGRAM

CALL DEBUGGER\_NOT\_FOUND

FINISH\_PROGRAM\_LABEL:

MOV AX,4C00H

INT 21H

SUCCESS DB 'Debugger not found.',10,13,'$'

FAIL DB 'Debugger found!',10,13,'$'

FILE\_NAME DB 256 DUP(?)

CHECK\_DEBUGGER PROC NEAR

PUSH ES

XOR AX,AX

MOV ES,AX

MOV BX,0CH

XOR DH,DH

MOV DL,BYTE PTR ES:[BX]

SUB DL,08BH

CMP DX,0

JE CHECK\_SUCCESS

STC

JMP FINISH\_CHECK\_DEBUGGER

CHECK\_SUCCESS:

CLC

FINISH\_CHECK\_DEBUGGER:

POP ES

RET

CHECK\_DEBUGGER ENDP

DEBUGGER\_FOUND PROC NEAR

MOV AH,9H

MOV DX,OFFSET FAIL

INT 21H

MOV AL,0ADH

OUT 64H,AL

RET

DEBUGGER\_FOUND ENDP

DEBUGGER\_NOT\_FOUND PROC NEAR

MOV AH,9H

MOV DX,OFFSET SUCCESS

INT 21H

RET

DEBUGGER\_NOT\_FOUND ENDP

DELETE\_PROGRAM PROC NEAR

MOV BX,OFFSET FILE\_NAME

CALL COPY\_FILE\_NAME

MOV DX,OFFSET FILE\_NAME

CALL OPEN\_FILE

CALL CLEAR\_FILE

CALL CLOSE\_FILE

RET

DELETE\_PROGRAM ENDP

COPY\_FILE\_NAME PROC NEAR ; DS:BX - WHERE TO COPY FILE NAME

PUSH ES

MOV AX,ES:[2CH]

MOV ES,AX

MOV SI,-1

SEARCH\_01:

INC SI

MOV AL,ES:[SI]

CMP AL,0

JNE SEARCH\_01

MOV AL,ES:[SI+1]

CMP AL,1

JNE SEARCH\_01

ADD SI,2

COPY\_NAME:

INC SI

MOV AL,ES:[SI]

MOV [BX],AL

INC BX

CMP AL,0

JNE COPY\_NAME

POP ES

RET

COPY\_FILE\_NAME ENDP

OPEN\_FILE PROC NEAR ; DS:DX - FILE NAME, BX - RESULT (FILE HANDLE)

MOV AX,3D02H

INT 21H

MOV BX,AX

RET

OPEN\_FILE ENDP

CLOSE\_FILE PROC NEAR ; BX - FILE HANDLE

MOV AH,3EH

INT 21H

RET

CLOSE\_FILE ENDP

GET\_FILE\_LENGTH PROC NEAR ; BX - FILE HANDLE, SI - RESULT

MOV AX,4202H

XOR CX,CX

XOR DX,DX

INT 21H

MOV SI,AX

MOV AX,4200H

XOR CX,CX

XOR DX,DX

INT 21H

RET

GET\_FILE\_LENGTH ENDP

CLEAR\_FILE PROC NEAR ; BX - FILE HANDLE

CALL GET\_FILE\_LENGTH

MOV CX, SI

MOV DX, OFFSET TRASH\_BUF

PUSH CX

MOV AH, 40H

MOV BX, 1

MOV DX, OFFSET ENTRY\_POINT

MOV CX, 1

INT 21H

POP CX

RET

TRASH\_BUF DB 0

CLEAR\_FILE ENDP

ENTRY\_POINT DW OFFSET START

END START

За запись команды отвечает следующий фрагмент:

CLEAR\_FILE PROC NEAR ; BX - FILE HANDLE

CALL GET\_FILE\_LENGTH

MOV CX, SI

MOV DX, OFFSET TRASH\_BUF

PUSH CX

MOV AH, 40H

MOV BX, 1

MOV DX, OFFSET ENTRY\_POINT

MOV CX, 1

INT 21H

POP CX

RET

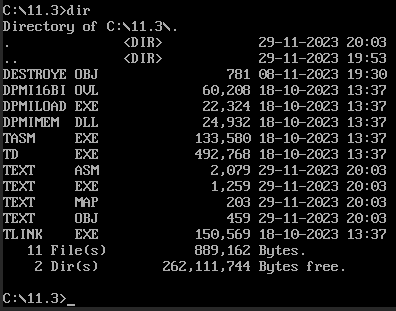
TRASH\_BUF DB 0

CLEAR\_FILE ENDP

Трансляция, линковка:



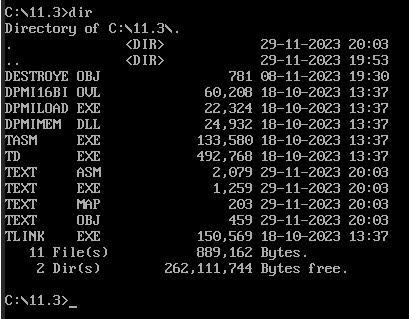
Содержимое папки:



Пробуем запустить:

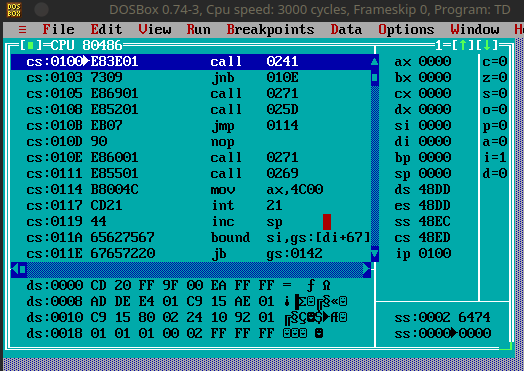


Каталог файлов:



Мы вышли из программы сразу после запуска. Успех!

Потыкаем в отладчик



Содержимое файла  
