Task2: numb	per request.asm
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1 a	sk2: number request.asm						
	Description of the task	Implementation			Implementation		
	The main goal of this lesson to practice the functions, we have learned so far, and learn the way how we can modify the content of the memory at runtime.	Code Start:		CS:Code, , SS:Stack		mov mov int	dx, offset message ah, 09h 21h
	The program waiting a four-digit decimal number through the keyboard. The number is contained in the memory using a variable		mov mov	ax, Code ds, ax di, offset value	End_prog	ram: mov int	ax, 4c00h 21h
	character by character at ASCII code. The program clears the screen and only		mov	ax, 03		IIIC	2111
	numbers accepts. Pressing other buttons causes error message.	Input:	int xor	10h ax, ax	fault: value:	db	'illegal character!\$
	Introducing the program:		int mov	16h bx,ax	message:	db	ه 'End of input\$'
	The program has to be prepared with		mov int	ax, 03 10h	message.	ub	Епа от трицъ
	the exception of the storage program. It should be replaced by a		mov	ax,bx al, 27	Code	Ends	.+
	JMP instruction. The compiled program does nothing at the first sight if we press a number, pressing		cmp jz	End_program	Data Data	Segmen Ends	
	any other key causes error message. Pressing ESC key the program	Exam:	mov mov	cx, 10 ah, '0'	Stack Stack	Segmen Ends	ıt
	terminated. • the full prepared program displays		cmp jz	al, ah Store ah		End Sta	rt
	the pressed sequence of numbers. If the length of the typed numbers reached 4, it displays and the		inc loop	Exam			
	program terminated (jumps to the end of the program).		mov mov mov int	ah, 02h bh, 0 dh, 10 10h			
			mov mov int	dx, offset fault ah, 09 21h			
		Store:	jmp	Input			
			mov inc mov	[di], al di al, '\$'			
			mov	[di], al			
	Optimatization possibility		mov mov mov int	ah, 02h bh, 0 dh, 5 dl, 28 10h			
			mov mov	dx, offset value ah, 09 21h			
			int mov	ax, offset value			
			add cmp jnz	ax, 4 ax, di Input			
			mov	ah, 02h			
			mov mov mov int	bh, 0 dh, 7 dl, 0 10h			





























