시스템프로그래밍 (2020년도) HW #9 Macro

학번 20180474 출석번호 113 이름 남아리

Fig 4.1 ==> Fig 4.2

5	COPY	START	0	COPY FILE FROM INPUT TO OUTPUT		
10		MACRO				
15	102011	1110110	dinger, decimen, did			
20		MACRO T	O READ RECORD INTO B	UFFER		
25						
30		CLEAR	x	CLEAR LOOP COUNTER		
35		CLEAR	A			
40		CLEAR				
45		+LDT	#4096	SET MAXIMUM RECORD LENGTH		
50		TD	=X'&INDEV'	TEST INPUT DEVICE		
55		JEQ	*-3	LOOP UNTIL READY		
60		RD	=X'&INDEV'	READ CHARACTER INTO REG A		
65		COMPR	A,S	TEST FOR END OF RECORD		
70		JEQ	*+11	EXIT LOOP IF EOR		
75		STCH	&BUFADR,X	STORE CHARACTER IN BUFFER		
80		TIXR	T	LOOP UNLESS MAXIMUM LENGTH		
85		JLT	*-19	HAS BEEN REACHED		
90		STX	&RECLTH	SAVE RECORD LENGTH		
95		MEND				
100	WRBUFF	F MACRO &OUTDEV, &BUFADR, &RECLTH				
105						
110		MACRO T	O WRITE RECORD FROM	BUFFER		
115						
120		CLEAR	x	CLEAR LOOP COUNTER		
125		LDT	&RECLTH			
130		LDCH	&BUFADR, X	GET CHARACTER FROM BUFFER		
135				TEST OUTPUT DEVICE		
140		~		LOOP UNTIL READY		
145				READ CHARACTER INTO REG A		
150				LOOP UNTIL ALL CHARACTERS		
155			*-14	HAS BEEN WRITTEN		
160		MEND				
165						
170		MAIN PROGRAM				
175	·					
180	FIRST		RETADR	SAVE RETURN ADDRESS		
190	CLOOP	RDBUFF		READ RECORD INTO BUFFER		
195		LDA	LENGTH	TEST FOR END OF FILE		
200 205		COMP	#0			
		JEQ	ENDFIL 05,BUFFER,LENGTH	EXIT IF EOF FOUND		
210 215		MKBOLL.	CLOOP	LOOP		
220	PNDETT	WRBUFF				
225	PMDEIL	J	@RETADR	INDUNI EUF PIARRER		
	EOF		C'EOF'			
	THREE		3			
	RETADR		1			
	LENGTH			LENGTH OF RECORD		
	BUFFER			4096-BYTE BUFFER AREA		
255		END	FIRST	1000 DITE DOFFER AREA		
200		2.10				

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ち	COPY	START	D
	FIRST	STL	RETADR
180		RDBUFF	FI, BOTTER, LENGTH
190	.CLoop		
190a	CLOOP_	CLEAR	
1906		CLEAR	Ä
190c		CLEAR	
1909		+LDT	# 4096
_190e		TD	=X, E(,
190f		JEQ	
1909		RD	►X' Fl'
_190 h		COMPR	A,S
_190 i		JEQ	*+\
190,		STCH	BOFTER, X
190 k		TIXP	т
1901		JLT	* - 19 LENGTH
90m		STX	LENGTH
95		LDA	LENGTH
200		COMP	#0
205		JEA	ENDFIL
210		WRBUFF	05, BOFFER, LENGTH
210 a		CLEAR	X
206		LDT	LENGTH
20 c		LDCH	BOFFER, X
201		ΤĎ	=X'05'
20 g		JEQ	*-3
20 f		WĎ	=X'05'
209		TIXR	T
20 h		์ ปีโ	*-14
215		J	<pre>CLOOP</pre>
220	ENDFIL	.WR.BUFF	05, EDF, THREE
220a		CLEAR	X
220 b		LDT	THREE
220 c		LDCH	EOF, X
220 4		TD	=X'05'
220e		JEQ	*-3
220 f		WD`	=X105'
2209		TIXR	
220 h		จีนา	×-14
225		J	Ø RETADR
230	EOF	BYTE	C'FoF'
235	THREE	WORD	3
240	RETADR	RESW	
245	LENGTH	RESW	i
250	BOFFER	RESB	4096
255	DUITER	END	FIRST
		μιτμ	1 +1>/1

(Comments는 필요없어요!!)