	HH HH EEE	EEEEEEEE	RRRRRRRRRR	R CCC	CCCCCCC	0000000) 1:	1 TT	TTTTTTTTT	XX	XX
	HH HH EEEE	EEEEEEEE R	RRRRRRRRRR	R CCCC	CCCCCCC	000000000	111	TTT	TTTTTTTTT	XX	XX
	HH HH EE	RR	RR RR	CC	CC 00) 1111		TT	XX	XX
H		RR	RR	CC	00	00 00	11		TT	XX	XX
HH	HH EE	RR		CC	00	00 00	11	Т			XX
	нниннинн еееееее		RRRRRRR C	C	00	00 00	11	TT		XXXX	
	HHHHHHHH EEEEEEEE	RRRRRR			00 00		11	TT		XXXX	
HH	HH EE		RR CC		00 00	00	11	TT	XX	XX	
HH	HH EE		RR CC		0000	00	11	TT	XX	XX	
HH	HH EE		RR CC	CC	000	00	11	TT	XX	XX	
HH	HH EEEEEEEEEE		RR CCCCCC		000000000		.11111	$\operatorname{TT}_{}$	XX	XX	
HH	HH EEEEEEEEEEE	RR R	RR CCCCCC	CCCC	00000000	111111	.1111	TT	XX	XX	

			JJJJJJJJJ 7777777777 JJJJJJJJJJ 77777777			'777777 '777777		999999999 99999999999						AAAAAAA AAAAAAAAA							
				JJ	77	77	77	77	99	9	9					AA		AA			
				JJ		77		77	99	9	9					AA		AA			
				JJ		77		77	99	9	9					AA		AA			
				JJ	7	7		77	9999	9999999	9					AAA	AAAA	AAAAA			
				JJ	7	7		77	9999	9999999	9					AAA	AAAA	AAAAA			
				JJ	7			77			9					AA		AA			
			JJ	JJ	7			77			9					AA		AA			
			JJ	JJ	7	7		77	99		9					AA		AA			
			JJJJJ	JJJ	7	7		77		9999999						AA		AA			
			JJJJ	JJ	7	7		77	999	9999999)					AA		AA			
****A	START	JOB	779	HERC01TX	ASSI	ST MM T	EST05	R	MOO	1.3	37.25	PM 01	FEB	22	PRINTER1	SYS T	K4-	JOB	779	START	A****
****A	START	JOB	779	HERC01TX	ASSI	ST MM I	EST05	R	MOO	1.3	7.25	PM 01	FEB	22	PRINTER1	SYS T	K4-	JOB	779	START	A****
****A	START	JOB	779	HERC01TX	ASSI	ST MM I	EST05	R	MOO	1.3	37.25	PM 01	FEB	22	PRINTER1	SYS T	K4-	JOB	779	START	A****
****A	START	JOB	779	HERC01TX	ASSI	ST MM I	EST05	R	MOO	1.3	37.25	PM 01	FEB	22	PRINTER1	SYS T	'K4-	JOB	779	START	A****

JES2 JOB LOG

13.37.25 JOB 779 IEF677I WARNING MESSAGE(S) FOR JOB HERC01TX ISSUED
13.37.25 JOB 779 \$HASP373 HERC01TX STARTED - INIT 1 - CLASS A - SYS TK413.37.25 JOB 779 IEF403I HERC01TX - STARTED - TIME=13.37.25
13.37.25 JOB 779 IEFACTRT - Stepname Procstep Program Retcode
13.37.25 JOB 779 HERC01TX TESTPROG DATA ASSIST RC= 0000
13.37.25 JOB 779 IEF404I HERC01TX - ENDED - TIME=13.37.25
13.37.25 JOB 779 \$HASP395 HERC01TX ENDED

----- JES2 JOB STATISTICS -----

01 FEB 22 JOB EXECUTION DATE

78 CARDS READ

173 SYSOUT PRINT RECORDS

0 SYSOUT PUNCH RECORDS

0.00 MINUTES EXECUTION TIME

```
JOB 779
       //HERC01TX JOB (SYS), 'ASSIST MM TEST05',
       // CLASS=A,NOTIFY=HERC01,
       // MSGCLASS=A,
       //
                    USER=HERC01, PASSWORD=
                                                     GENERATED BY GDL
       ***
       //TESTPROG EXEC ASSIST
 3
       XXASSIST PROC
 4
       XXDATA
                 EXEC PGM=ASSIST, REGION=4096K, PARM='BATCH, MACRO=H'
 5
       XXSYSPRINT DD SYSOUT=*
       XXSYSIN2 DD DDNAME=SYSIN2 (ONLY NEEDED IF &$DATARD=1: 2 READERS)
                                                                              00010110
       XXSYSPRINT DD SYSOUT=*,DCB=(RECFM=FA,LRECL=133,BLKSIZE=133) PRINTER
                                                                              00010120
       XXSYSPUNCH DD SYSOUT=B, DCB=(RECFM=F, LRECL=80, BLKSIZE=80) PUNCH
                                                                              00010130
       XXSYSUT1 DD UNIT=SYSDA, DISP=(,DELETE), SPACE=(3520,(100,10)),
                                                                              00010140
 9
                     DCB=(RECFM=F,BLKSIZE=3520)
                                                   DISK INTERMEDIATE
                                                                              00010150
10
       XXSYSLIB DD DSN=SYS1.MACLIB, DISP=SHR
                                                                              00010160
11
       //SYSIN DD *
```

```
STMT NO. MESSAGE
  11
        IEF686I DDNAME REFERRED TO ON DDNAME KEYWORD IN PRIOR STEP WAS NOT RESOLVED
IEF236I ALLOC. FOR HERC01TX DATA TESTPROG
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I DMY ALLOCATED TO SYSIN2
IEF237I JES2 ALLOCATED TO SYSPRINT
IEF237I JES2 ALLOCATED TO SYSPUNCH
IEF237I 180 ALLOCATED TO SYSUT1
IEF237I 148 ALLOCATED TO SYSLIB
IEF237I JES2 ALLOCATED TO SYSIN
IEF142I HERC01TX DATA TESTPROG - STEP WAS EXECUTED - COND CODE 0000
IEF285I
       JES2.JOB00779.SO0102
                                              SYSOUT
IEF285I JES2.JOB00779.S00103
                                              SYSOUT
IEF285I JES2.JOB00779.SO0104
                                              SYSOUT
       SYS22032.T133725.RA000.HERC01TX.R0000001
IEF285I
                                              DELETED
                                                          *----0
IEF285I VOL SER NOS= WORK02.
IEF285I SYS1.MACLIB
                                              KEPT
                                                          *----2
IEF285I VOL SER NOS= MVSRES.
IEF285I
        JES2.JOB00779.SI0101
                                              SYSIN
IEF373I STEP /DATA / START 22032.1337
IEF374I STEP /DATA / STOP 22032.1337 CPU 0MIN 00.03SEC SRB 0MIN 00.01SEC VIRT 584K SYS 204K
*******************************
                                            1. Jobstep of job: HERC01TX Stepname: DATA
        elapsed time 00:00:00,07
                                               CPU-Identifier: TK4-
                                                                         Page-in:
                                                                                      0
                              Virtual Storage used: 584K
           CPU time 00:00:00,04
                                                                          Page-out:
                                                                                      0
          corr. CPU: 00:00:00,04 CPU time has been corrected by 1 / 1,0 multiplier
     I/O Operation
     Number of records read via DD * or DD DATA: 71
     DMY......0 DMY......0 DMY......0 180......0 148......2 DMY.......0
                                    Charge for step (w/o SYSOUT):
                                                                     0,03
IEF375I JOB /HERC01TX/ START 22032.1337
IEF376I JOB /HERC01TX/ STOP 22032.1337 CPU 0MIN 00.03SEC SRB 0MIN 00.01SEC
```

*** ASSIST 4.0/A2-11/17/21 370/65:OS-MVS INS=SDFP7/X=BGHO, CHECK/TRC/=1180, OPTS=CDKMPRX PENN STATE UNIV ***

\$JOB ASSIST 00012850

\$JOB	ASSIST						(00012850		
	ASSIST PROGRAM	TEST [ASMT14]					PAGE	1
LOC	OBJECT CODE	ADDR1	ADDR2							
				3 40	*SYSLIB				000144	150
				41		LCLC LCLA			000144	
000000						CSECT	&SIMZ		000144	
000000							* 15		000132	
000000	90EC D00C		0000C	44		STM	14.12.12(13)	SAVE REGS	000133	
				45	*		, , , ,	SAVE REGS	000144	
000004	E020 F104 0014	00104		46		XPRNT	=CL25'1 START 7	ΓEST',20	000144	150
				47					000144	
	D209 F075 F062			48		MVC	CARD1(L'MSG),MSG		000144	
000010	E020 F074 000B	00074				XPRNT	CC1,L'MSG+1	PRINT 'MANNY TEST' STRING	000144	
000016	-160 0000 0000	00000		50	*				000144	
000016	E160 0000 0000	00000		51	+	XDUMP			000144	
000010	D30D E00D E0E0	00000	000770	52 53	^	MT 7C	OTTODITO _CT 10 !	DIANIZ OUT TELLO	000144	
000010	D20B F0CD F0F8	OOOCD	00018	53 54		IM V C	OUTPUL,=CLIZ''	TOND MIM INTO DEC 0	000144	
000022	5890 F06C 5290 F0CD		0000C	5 4 55		XDECO T	ס, אינוטויז און פּ ס רויייטויז	BLANK OUT FIELD LOAD NUM1 INTO REG 9 XDECO:12-BYTE CH REPRESENTATION	000144	
000020	E020 F0C5 0015	00005	UUUCD	56		XDECO	ORG, L'OUTLINE+1	ADECO-12 BITE CH REPRESENTATION	000144	
3000ZA	1020 1000 0010	30003		57			Olto, in Colinian in		000114	
000030	D20B F0CD F0F8	000CD	000F8	58		MVC	OUTPUT,=CL12''	REUSING SAME PRT LINE, BLANK OUT FLD	000144	150
	5890 F070		00070	59		L	9,NUM2	REUSING SAME PRT LINE, BLANK OUT FLD LOAD NUM2 INTO REG 9 XDECO:12-BYTE CH REPRESENTATION OVERRIDE LBL1 TO UPDATE LABEL	000144	150
	5290 FOCD		000CD	60		XDECO	9,OUTPUT	XDECO:12-BYTE CH REPRESENTATION	000144	150
	D206 F0C6 F11D		0011D	61		MVC	LBL1,=C'[NUM2: '	OVERRIDE LBL1 TO UPDATE LABEL	000144	150
000044	E020 F0C5 0015	000C5		62		XPRNT	ORG,L'OUTLINE+1		000144	150
00004-	-000 -0 0011	000		63					000144	
00004A	E020 F0DA 0011	000DA		64			ORG1,L'SYMLINE1+1		000144	
000050	E020 F0EB 000A	OOOEB		65 66		XPRNT	ORG2,L'VSYM2+9		000144	
000056	E020 F124 0015	00124		67		XDBMT	=CI.25'0 FND 5	TEST',21	000144	
000050	1020 1121 0015	00121		68		221 1(1) 1		,21	000114	
									000144	
00005C				70	EXIT	EQU	*		000144	
	98EC D00C		0000C	71		LM	14,12,12(13)	RELOAD REGS	000145	00
000060	07FE			72		BR	14		000145	
					*				000144	
000000	D401DEDED040E04	7.5		74		DC	CIMANINI DECE		000144	
000062	D4C1D5D5E840E30	25		75 76	MSG *	DC	C'MANNY TEST'		000144	
000060	000004D2				NUM1	DC	F'1234'		000144	
	000004D2				NUM2		F'890'		000144	
00070	555555711			79		20			000114	
				80					000144	
000074	F0				CC1	DC	C'0'		000144	
000075					CARD1	DS	CL80		000144	
				83					000144	
0000C5	F0				ORG		C'0'	CARRIAGE CONTROL 1=NEXT PAGE	000144	
0000C6	ADDED 4D 4D1 D3 40						OCL20	LADDI	000144	
	ADD5E4D4F17A40				LBL1 OUTPUT		C'[NUM1: '	LABEL	000144	
0000CD 0000D9	RD				LBL2		CL12 C']'	PUT OUTPUT NUMBER HERE LABEL	000144 000144	
000009	עע			89		שכ	C]		000144	
					&SYM1	SETC	'MANNYSYM'		000114	

ASSIST PROGRAM TEST [ASMT14]								PAGE	2
LOC OBJECT CODE ADDR1 ADDR2	STMT SOURCE	STATE	MENT						
0000DA F0	91 ORG1	DC	C'0'	C <i>I</i>	ARRIAGE C	ONTROL	1=NEXT PAGE	000144	50
0000DB	92 SYMLINE1	DS	0CL16					000144	50
0000DB ADE2E8D4F17A40	93 LBL3	DC	C'[SYM1: '	L <i>I</i>	ABEL			000144	
	94 VSYM1	DC	C'&SYM1.'	VZ	ALUE OF S	YMBOL		000144	50
0000E2 D4C1D5D5E8E2E8D4	95+VSYM1	DC	C'MANNYSYM'		ALUE OF S	YMBOL			
0000EA BD	96 LBL4	DC	C']'	L^{I}	ABEL			000144	
	97 *							000144	
	98 &SYM2	SETA	3					000144	
0000EB F0	99 ORG2	DC	C'0'	CI	ARRIAGE C	ONTROL	1=NEXT PAGE	000144	
0000EC	100 SYMLINE2	DS	0CL16					000144	
0000EC ADE2E8D4F27A40	101 LBL5	DC	C'[SYM2: '		ABEL			000144	
	102 VSYM2	DC	C'&SYM2.'		ALUE OF S			000144	50
0000F3 F3	103+VSYM2	DC	C'3'		ALUE OF S	YMBOL			
0000F4 BD	104 LBL6	DC	C']'	\mathbb{L}^{I}	ABEL			000144	
	105 *							000144	
	106	EQURE						000144	50
000000	107+R0	EQU	0						
000001	108+R1	EQU	1						
000002	109+R2	EQU	2						
000003	110+R3	EQU	3						
000004	111+R4	EQU	4						
000005	112+R5	EQU	5						
000006	113+R6	EQU	6						
000007	114+R7	EQU	7						
000008	115+R8	EQU	8						
000009 00000A	116+R9 117+R10	EQU	9						
00000A 00000B	117+R10 118+R11	EQU	10						
00000B	110+R11 119+R12	EQU	11 12						
00000D	120+R13	EQU EQU	13						
00000E	121+R14	EQU	14						
00000F	122+R14	EQU	15						
000001	123	END	ASMT14					000146	0.0
0000F8 40404040404040	124	עוום	=CL12' '					000140	0 0
000104 F160606040E2E3C1	125		=CL25'1	START TEST	'				
000104 F100000040E2E3C1	126		=C' [NUM2: '						
00011B ADD3E4D4F27A40 000124 F060606040C5D5C4	127		=CL25'0		'				
*** NO STATEMENTS FLAGGED - NO		VIO TI							
NO STATEMENTS LTWGGED - NO	WARNINGS,	NO E.	RRORS						
*** DYNAMIC CORE AREA USED: LOW:	6728 HIGH:	119	2 LEAVING:	512272 FREE	E BYTES.	AVERAGE	: 61 BYTES	/STMT ***	
*** ASSEMBLY TIME = 0.007 SECS,	18285 STAT	EMENTS	/SEC ***						

*** PROGRAM EXECUTION BEGINNING - ANY OUTPUT BEFORE EXECUTION TIME MESSAGE IS PRODUCED BY USER PROGRAM ***

--- START TEST ----MANNY TEST BEGIN XSNAP - CALL 1 AT C000001C USER REGISTERS REGS 0-7 F4F4F4F4 F4F4F4F F4F4F4F4 F4F4F4F4 F4F4F4F4 F4F4F4F4F4F4F4F4 REGS 8-15 F4F4F4F4F4F4F4F4F4F4F4F4F4F4F4F4 F4F4F4F4 00000140 FFFE7960 00000000 [NUM1: 1234] [NUM2: 890] [SYM1: MANNYSYM] [SYM2: 3] --- END TEST ----*** EXECUTION TIME = 0.000 SECS. 19 INSTRUCTIONS EXECUTED - 19000 INSTRUCTIONS/SEC *** *** AM004 - NORMAL USER TERMINATION BY RETURN ***

НН	HH EEEE	EEEEEEEE	RRRRRRRRRR	CCC	CCCCCCC	0000000) 11	L TT	TTTTTTTTT	XX	XX
НН			RRRRRRRRRR		CCCCCCC	000000000		TTT	TTTTTTTTT	XX	XX
HH	$_{ m HH}$ $_{ m EE}$	RR	. RR	CC	CC 00	0000	1111		TT	XX	XX
HH	HH EE	RR	RR	CC	00	00 00	11		TT	XX XX	X
НН	HH EE	RR	RR C	lC	00	00 00	11	Т		XX XX	
ННННННН			RRRRRRR CC		00	00 00	11	TT		XXXX	
ННННННН	HHH EEEEEEEE	RRRRRR	RRRRR CC		00 00		11	TT	-	XXXX	
	HH EE	RR R	R CC		00 00	00	11	${ m TT}$	XX	XX	
HH H		RR R			0000	00	11	TT	XX	XX	
нн нн		RR R		CC	000	00	11	TT	XX	XX	
HH HH	EEEEEEEEEE	RR R			000000000		.11111	TT	XX	XX	
HH HH	EEEEEEEEEEE R	R R	R CCCCCCC	CCC	00000000	111111	.1111	TT	XX	XX	

			JJJ	JJJJJJJJ 77777777777 777777777		7777777	77 999	999999999							AAAAAAAA						
			JJJ	JJJJJJJ	777777	77777	7777	777777	9999	999999	99				AAAAAAAAA						
				JJ	77	77	77	77	99		99					AA	Ā	AA			
				JJ		77		77	99		99					AA	Ā	AA			
				JJ		77		77	99		99					AA	A	AA			
				JJ	7	77		77	9999	9999999	99					AA	AAAAA	AAAAA			
				JJ	7	77		77	9999	9999999	99					AA	AAAAA	AAAAA			
				JJ	7	77		77			99					AA	A	AA			
			JJ	JJ	7	77		77			99					AA	A	AA			
			JJ	JJ	7	77		77	99		99					AA	A	AA			
			JJJJJ	JJJ	7	77		77	9999	999999	99					AA	Ā	AA			
			JJJJ	JJ	7	77 77		999	999999999						AA	A	AA				
A	END	JOB	779	HERC01TX	ASSI	ST MM	TEST05	F	MOOS	1.	37.25	PM 01	FEB	22	PRINTER1	SYS	TK4-	JOB	779	END	A*
A	END	JOB	779	HERC01TX	ASSI	ST MM	TEST05	F	MOOS	1.	37.25	PM 01	FEB	22	PRINTER1	SYS	TK4-	JOB	779	END	A*
A	END	JOB	779	HERC01TX	ASSI	ST MM	TEST05	F	MOOS	1.	37.25	PM 01	FEB	22	PRINTER1	SYS	TK4-	JOB	779	END	A*
A	END	JOB	779	HERC01TX	ASSI	ST MM	TEST05	F	MOOS	1.	37.25	PM 01	FEB	22	PRINTER1	SYS	TK4-	JOB	779	END	A*