## **CHAPTER 7**

# PROGRAMMING ASSIGNMENT 1

#### INSTRUCTIONS

A set of Mailing Labels are to be prepared. The Name is to be printed on the first line of the mailing label, the Address is to be printed on the second line, and the City/State and ZIP Code are to be printed on the third line. Each mailing label is to be printed five times. After each mailing label is printed, the report is to be double spaced. Test data is contained in Appendix E.

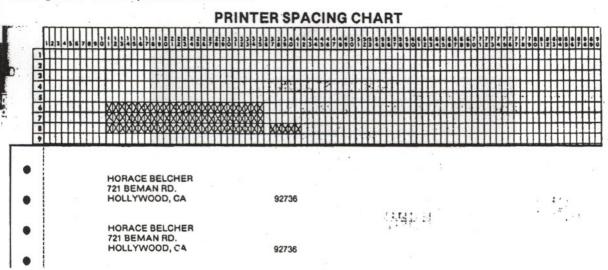
#### **INPUT**

The input to the program is illustrated below.

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#### OUTPUT

The format of the output report is illustrated on the following printer spacing chart. Each mailing label is to be printed five times.



HINT: Multiple Exception Lines can be defined on the Output Specifications and each line will be printed in the sequence in which they are defined when the EXCPT operation is executed.

### **CHAPTER 7**

#### PROGRAMMING ASSIGNMENT 2

## **INSTRUCTIONS**

A Schedule of Depreciation is to be prepared for a company. Input is to consist of pund cards containing an Item Number, an Item Description, the Date the item was acquired, Original Cost of the item, and the Estimated Life of the item. The format of the input card illustrated below.

## **INPUT**

NO				DI	ES	CF	HF	T	10	N		O. C.		AC				C	08	ST																																		
000	0 0	0	0 1	0	0	I	0	1	0	9 (		0	0 0	0	0	0 0	0	0 (	9	d	0 6	6	0	0 0	0	0 0	0	0 0	3	3 6	0	3	0 0	0	0	8	0 0	ô	0 0	0	9 (	0	0	0 0	3	0 (	0	0	0 0	0	0 1	0	0	ō
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2 2 2	2 2	2	2 :	2	2:	2 2	2 :	2 2	2	2 1	2	2	2 :	2	2	2 2	2	2 2	2 2	2	2 2	þ	2	2 2	2 :	2 2	2	2 2	2	2 2	2	2	2 2	2	2 2	2	2 2	2	2 2	2	2 2	2 2	2 :	2 2	2	2 :	2 2	2	2 2	2	2 :	2 2	2	2
333	3 3	þ	3 :	13	3	1	3	3 2	1	3 :	3	3	3 1	1	3	3 3	3	3 :	13	ار	3 3	þ	4	3 3	3	3 3	3	3 1	3	3 3	3	3	3 3	3	1 3	3	3 3	1	3 3	13	3:	13	3 :	3 3	3	1	3	1	3 3	13	3 ;	13	3	1
444	4 4	k	4	4	4	4	4	44	4	44	4	4	4 4	4	4	4 4	4	4	1 4	4	44	k	4	4 4	4	4 4	4	4 4	4	4 4	4	4	4 4	4	4 4	4	4 4	4	4 4	4	44	1 4	4	4 4	4	4	4	4	4 4	4	4	1 4	4	4
5 5 5	5 5	b	5 :	5	5	5	5	5 5	5	5 !	5	5	5 5	5	5	5 5	5	5 !	5 5	4	5 5	b	5	5 5	5	5 5	\$	5 5	5	5 5	5	5	5 5	5	5 5	5	5 5	5	5 5	5	5 :	5 5	5	5 5	5	5	5 5	5	5 5	5	5 :	5 5	5	ş
6 6 6	6 6	6	6 1	6			6	6 6		6 (	6	6	6 5	5	6	6 6	6	6 (	6 6	4	5 6	6	4	6 6	6	6 6		\$ 1	6	6 5	5 6	ş	5 6			6	6 8	8	6 6		8 1	6		5 6	6	6	6 6	6	6 6		\$ 1	6		6
777	7 7	h	7	1 1	7	17	7	7 1	17	7	17	7	7 7	17	7	7 7	7	7	17	h	7 :	1	7	77	7	71	7	7 7	17	7 7	17	7	77	7	77	7	77	17	77	7	7	17	7	77	7	7	17	7	7 7	17	7	77	7	7
		h								31				:	:				3 8	d	8 1	ı		. :						8 1	3 8						8 1		3 1						1				8 1					

# **OUTPUT**

The output to be produced is a printed report listing the Item Number, Item Description Date Acquired, Original Cost and Life of the item. In addition the Yearly Depreciation is to be calculated. Annual Depreciation is calculated by dividing the life of the item into the origin cost of the item. The report is also to contain the depreciated value of the item at the end of eacy year for the life of the item. A Year-Ending date is also to be printed for each year. The fire Year-Ending date will be one year greater than the Date Acquired, the second Year-Endin date will be two years greater than the Date Acquired, etc. Note that all items are depreciate to a salvage value of zero.

# PRINTER SPACING CHART

12345678901	1 1 1 1 1 1 1 1 2 2 Z Z Z Z Z Z Z Z Z Z	2 3 3 3 3 3 3 3 3 3 3 3 4	44444444555	3 5 5 5 5 5 5 5 6 6 6 6 6 6 6 6 6 6 6 6	666677777777777	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1		<del>111111111111</del>				
2 XX / XX / XX		Sc	HEDULE DE	DEPREDI ATTION		PAGE XXXX
3		11111111111				
4		DATE	URIGINAL	ESTIMATED	I ANNUAL III	TEAR-END I DEPRECIATED
5 NUMBER	DESCRIPTION	ACCALTRED	COST		EPRECIATION	DATE
6						
7 2000000	000000000000000000000000000000000000000	B00/X0X/AX0	MONE DOXEST MOST	DOM:	1 500 0 5000 1 500 1 1 0	XXX/XXX/XXX
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		1111111111				XXX XXX XXX 1 1 1 XXX XXX XXX



# CHAPTER 7 PROGRAMMING ASSIGNMENT 3

#### ISTRUCTIONS

A Passenger List program is to be written in RPG. The input to the program is a Flight Card hich gives the Flight Number, the Plane Type, and the number of seats available on the plane. ne output is to consist of a Passenger List with the Flight Number, the Plane Type, and a sting of all of the available seats which can then be filled in by the Flight attendants. The seat stings are to consist of three columns as illustrated below.

1		5	9
2	7	6	10
3		7	11
4		8	12

It should be noted that the total number of seats are in three columns.

## **IPUT**

The input to the program is illustrated below, Test data is in Appendix E.

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222	k	2	2	2 2	k	2 :	2	2	2	2 2	2	2	2 :	2 2	2	2	2 :	2	2	2	2	2 :	2 2	2	2	2	2	2 2	2 2	2	2	2 2	2	2	2 2	2	2	2 2	2	2	2 :	2 2	2	2	2 2	2	2	2 2	2	2	2 2	2	2 :	1 2	2	2	2 :	2 2	2	2	! :
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5 5 5	6	5	5	5	1	5	5	5	5	5 5	5	5	5	5 5	5	5	5 5	5	5	5	5	5	5 5	5	5	5	5	5 5	5 5	5	5	5 5	5	5	5 5	5	5	5 5	5	5	5	5 5	5	5	5 5	5	5	5 :	5	5	5 5	5	5	5 5	5	5	5	5 :	5 5	5	, :
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999	d	1 9		9	d	9	J,	9			. 9	9		9 1		9	9		1 9			•	9 1					9	9 9	9	9	9 0	9	9	9 9	9	9	9 1		9	9	9 9	9	9	9 5	9	9	9	9 9		9 9	1 5	9	9 9	1 9	3	3	9 :	3 5	15	4

## UTPUT

The output from the program is illustrated below. Note that the seats are double spaced. In seevent of page overflow, the flight numbers and plane type should be repeated. In addition, ach new flight should begin on a new page.

# PRINTER SPACING CHART

0 1 2 3 4 5 6	1 1 2 2 2 2 2 2 2 7 6 9 0 1 2 3 4 5	2 2 2 2 3 3 3 3 3 3 3 3 3 3 3 3 4 5 6 7 8 9 0	4 4 4 4 4 4 4 4 4 5 5 5 5 5 5 5 5 5 6 6 6 6	8 6 6 7 7 7 7 7 7 7 7 7 7 7 8 9 0 1 2 3 4 5 6 7 8 9 0	8 8 8 8 8 8 8 8 8 9 9 9 9 9 9 9 9 9 9 9
		PASSEN			PAGE XXCX
PLANE					
TMPE	SEAT	PASSENGER	SEATI PASSENCER	SEAT	PASSENCER
111111					
XXXXXXXX	DQI/DX		P9(CPC)	XZX	
++++++	1 X2X	+++++++++++++++++++++++++++++++++++++++		M254	
$\mathbf{H}$	111111111111111111111111111111111111111				