<div align="center">

Top Video Suppliers Report

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Time to complete	Allow 5-6 hours continuous
Program Download	TopSupplierRpt.Cbl is a model answer. Don't look at this until you have made your own attempt at the program.
Example Output	TopSuppliers.Rpt (The top suppliers report)
Example Input	All-Seq-In.Dat is a sequential file that contains the data required to set up the three master files. A transaction code at the beginning of each record signals which of the master files the record belongs to. The program Seq2Direct.Cbl reads this file and from it creates the indexed Video Details File (VDF.DAT), the indexed Video File (Video.Dat), and the Relative Supplier File (Supplier.Dat). The conversion program is required because direct access files are not standard ASCII files and cannot be viewed or edited in a standard text application like Notepad.
Major Constructs	Indexed Files, Relative Files, Print Files, READ, START, Tables

Introduction

The manager of Metropolis Videos was so pleased with your Video Stock File Maintenance and Report� system that he has asked you to write the Top Suppliers Report program detailed below.� The report must show the top three Suppliers (by� total video earnings) and for each of the top three the most popular video title (by average earnings) in their inventory must be shown.

Files

The system data resides on three master files.

Video Details File (VDF.DAT)

The Video Details file contains details relating to each individual video copy.� It is an indexed file with the following record description.

Field	Key type	Type	Length	Value
Video-Number	Primary	X	5	A0000-Z9999
Video-Code	Alt with Duplicates	9	5	00001-99999
Rental-Earnings	--	9	6	0-9999.99
Purchase-Price	--	9	5	0-999.99

Video File (VIDEO.DAT)

The Video-File contains information pertinent to each� video title� in� the library.� It is an indexed file with the following record description.

Field	Key type	Type	Length	Value

Video-Code	Primary	9	5	00001-99999
Video-Title	---	X	30	-
Supplier-Code	Alt with Duplicates	9	2	01-99

Supplier File (SUPPLIER.DAT)

The Video-File contains details of video suppliers.� It is a Relative File.� The Supplier Code represents the relative record number.
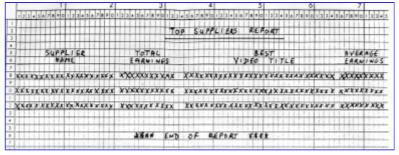
Field	Type	Length	Value
Supplier-Code	9	2	01-99���
Supplier-Name	X	20	�-
Supplier-Address	X	60	�-

Report Description

The report must show the top three Suppliers and the total video earnings for each supplier.� For each of the top suppliers, their most popular video title�and its average earnings (Total earnings / Number of copies) must be shown .�� The total earnings for a video title may be obtained by summing the� Rental-Earnings for each copy of the video.

Print Specification

All money values should be printed using floating dollar signs and should have commas and decimal points inserted as appropriate.�� The report should be printed as shown in the print layout chart below.

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