

CPSC3111 (PGM6QQ) LOOKUP

200 Points

Make a copy of a previous program (BREAKS?) and name it: LOOKUP. The input file is in ascending sequence on Division, Department, (Cost Center) and **Employee number**. Use the file as input to create a summary report by Division and Department. Print: Cost Center, Last Name, Employee Number, Hours Worked, Regular Pay, Overtime Pay, Deductions, and Net Pay for each employee. Do not include records with invalid pay codes in totals!

Using the same 'rolling' total method as BREAKS, show totals for Departments and Divisions. Each **Division** will start on a **new page** and include a new **single spaced** header line that has the **NUMBER** of the Division followed by the **NAME** of the Division found by a lookup in a **subscripted** table. If the Division NUMBER is not in the Division Name table, use: "**** New Division Created ****" (from the table) as the Division Name. At the end of the report, print the final total (of all the divisions.)

The detail lines are **single** spaced with a blank line **before and after** each total! (There is always a blank line after the last header line!)

The Department totals will have a single asterisk '*', the Division total has two asterisks '**', and the Final total has three asterisks '***' at the end of the print line.

All of the Division names are to be obtained by table lookup from values on the back of this page. Each Division starts on a new page!

Extra credit (25 points) will be given for the description "**** FINAL TOTALS ****" on the last page with the standard headings and the final totals using the regular LOOKUP routine (with no additional condition statements.)

Division Name (Table Values)

10	Electronic Devices
20	Kitchen Appliances
30	Computer Equipment
40	Home Improvement
50	Photographic Equipment
60	Children's Toys
70	Travel Goods
80	Apparel
90	Sporting Goods
98	*** New Division Created ***
99	*** Final Totals ***

Sample Report Format:

1	02/17/03	15:52	PROGRAM 6, (QQ) STUDENT NAME HERE					PAGE: 1
			For Division: 10 – Electronic Devices					
	CCTR	LAST	EMP#	HRS	REG PAY	OT PAY	DEDS	NET PAY
0	10 005	SUNG	41213	38.2	750.00	0.00	123.45	626.55
0	DEPARTMENT TOTAL			38.2	750.00	0.00	123.45	626.55 *
0	DIVISION TOTAL			38.2	750.00	0.00	123.45	626.55 **
1	02/17/03	15:52	PROGRAM 6, (QQ) STUDENT NAME HERE					PAGE: 2
			For Division: 15 – *** New Division Created **					
	CCTR	LAST	EMP#	HRS	REG PAY	OT PAY	DEDS	NET PAY
0	15 021	CABOOSE	25112	30.5	198.25	0.00	53.84	144.41
	15 021	ALLEN	42831	41.3	340.00	16.58	114.29	242.29
0	DEPARTMENT TOTAL			71.8	538.25	16.58	168.13	386.70 *
0	15 051	SAW	21310	30.0	650.00	0.00	219.73	430.27
	15 051	DANIELS	42194	10.2	153.00	0.00	180.00	27.00CR
	15 051	WISER	48231	25.3	** Invalid Pay Type - Record Ignored **			
0	DEPARTMENT TOTAL			40.2	803.00	0.00	399.73	403.27 *
0	DIVISION TOTAL			112.0	1,341.25	16.58	567.86	789.97 **
1	02/17/03	15:52	PROGRAM 6, (QQ) STUDENT NAME HERE					PAGE: 3
			For Division: 20 – Kitchen Appliances					
	CCTR	LAST	EMP#	HRS	REG PAY	OT PAY	DEDS	NET PAY
0	20 001	MALLOW	21260	39.0	390.00	0.00	50.00	340.00
*** Several more detail and subtotal lines ***								
1	02/17/03	15:52	PROGRAM 6, (QQ) STUDENT NAME HERE					PAGE: 9
			For Division: *** Final Totals ***					
	CCTR	LAST	EMP#	HRS	REG PAY	OT PAY	DEDS	NET PAY
0	FINAL TOTALS			587.8	8,239.07	260.93	2,500.00	6,000.00 ***