

Data Files and Reports

The **One Stop Insurance Company** now needs a program(s) to process the data file and create a couple of reports. Remember that the sample record appears as follows. Create a file – or use the one from the previous QAP that contains data like the following. Make sure there are at least 10-12 records in the file – that some payment options are Monthly and some payment options are Full – second last value in the file.

1944, 2023-03-10, John, Smith, 12 Main St., St. John's, NL, A1A8H4, 123-123-1234, 2, Y, N, Y, Full, 1329.00

Create the two reports below (two separate programs. The first is a detailed report and the second is an exception report.

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ONE STOP INSURANCE COMPANY
POLICY LISTING AS OF dd-Mon-yy

POLICY NUMBER	CUSTOMER NAME	POLICY DATE	INSURANCE PREMIUM	EXTRA COSTS	TOTAL PREMIUM
XXXX	XXXXXXXXXXXXXXXXXXXX	yyyy-mm-dd	\$#,###.##	\$#,###.##	\$#,###.##
		:			
		:			
XXXX	XXXXXXXXXXXXXXXXXXXX	yyyy-mm-dd	\$#,###.##	\$#,###.##	\$#,###.##
Total policies: ###			\$##,###.##	\$##,###.##	\$##,###.##

Insurance premium - this is the last value in each record. Calculate the extra costs as follows: If the user enters a Y for any of the options, the costs are \$130.00 per car for extra liability, \$86.00 per car for glass coverage, and \$58.00 per car for the loaner car option. All these values are added together for the total extra costs. The total premium is the insurance premium plus the total extra costs.

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ONE STOP INSURANCE COMPANY
MONTHLY PAYMENT LISTING AS OF dd-Mon-yy

POLICY NUMBER	CUSTOMER NAME	TOTAL PREMIUM	HST	TOTAL COST	MONTHLY PAYMENT
XXXX	XXXXXXXXXXXXXXXXXXXX	\$#,###.##	\$###.##	\$#,###.##	\$#,###.##
		:			
XXXX	XXXXXXXXXXXXXXXXXXXX	\$#,###.##	\$###.##	\$#,###.##	\$#,###.##
Total policies: ###		\$##,###.##	\$#,###.##	\$##,###.##	\$##,###.##

Include only the customers who choose to make payments monthly as the exception. The Total Premium is calculated as the last report – this is the insurance premium – the last value in the file plus the extra costs. HST is calculated at 15% on the Total Premium, and the total cost is the total premium plus the HST. Customers can pay for their insurance in full or monthly. Calculate the monthly payment by adding a processing fee of \$39.99 to the total cost and dividing by 12.