Practical 28 December

1) Write a program that extracts and prints the second rightmost digit of the integral portion of a floating point number.

2) WAP to create a customer's bill for a company.
The company sells only 5 products: TV, VCR, Remote Controller, CD Player and Tape Recorder.
The unit prices are: $400.00, $220.00, $35.20, $300.00 and $150.00 respectively.

Input the quantity of each product purchased from the user (as shown below).

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How Many TVs Were Sold? 3
How Many VCRs Were Sold? 5
How Many Remote Controllers Were Sold? 1
How Many CDs Were Sold? 2
How Many Tape Recorders Were Sold? 4
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Calculate the total cost of each item, the subtotal and the total cost after an 8.25% sales tax.

The format for the output is shown below.

QTY	DESCRIPTION	UNIT PRICE	TOTAL PRICE
XX	TV	400.00	XXXX.XX
XX	VCR	220.00	XXXX.XX
XX	REMOTE CTRLR	35.20	XXXX.XX
XX	CD PLAYER	300.00	XXXX.XX
XX	TAPE RECORDER	150.00	XXXX.XX

		SUBTOTAL	XXXXX.XX
		TAX	XXXX.XX
		TOTAL	XXXXX.XX

Use constants for the unit prices and tax rate.

Run your program twice with the following set of data.
SET 1 ----> 2 1 4 1 2
SET 2 ----> 3 0 2 0 21

3) Assume a party of three couples dining in a restaurant. The first family has two children. Each of the other families has one child. Write a program that divides the bill among each family if a child is charged 3/4 of an adult share. The total charge (before tax) is given as an input. The tax is 9.5 percent, and 20 percent must be added for service.

4) Write a program that, given a three-digit integer, constructs and prints another integer whose digits are in the reverse order of the given one. For example, given 372, the program prints 273.