

Exercise 2 (10 points) - can be done in pair or individually

- The first lines of all source files must be comments containing names & IDs of all members. Also create file readme.txt containing names & IDs of all members
- Put all files (source, input, readme.txt) in folder Ex2_xxx where xxx = ID of the group representative, i.e. your source files must be in package Ex2_xxx (assumedly in Maven's src/main/java). Input files must be read from this path
- The group representative zips Ex2_xxx & submits it to Google Classroom. The other members submit only readme.txt. Email submission is not accepted

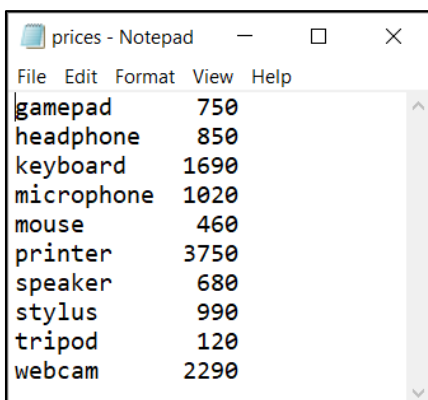
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Get lot size (i.e. #pieces) from user. Read product names and net prices (including VAT) per piece from input file. Calculate their VATs (7%) and prices before VAT per lot. Write the output to another file in the following format:

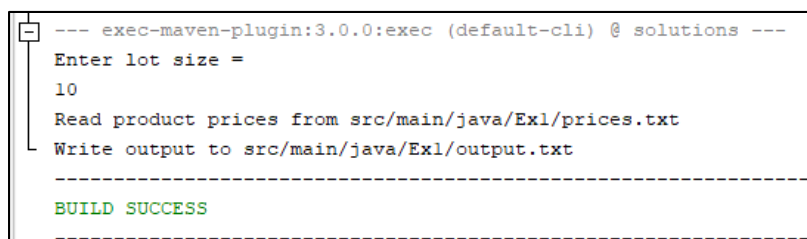
- All numbers must be printed in 2 decimal places
- Use comma for thousands separator

Note

- Make sure that input file is in the correct folder. If your program still cannot find the file, check whether it is because you name it prices.txt.txt instead of prices.txt
- Use %s, %f, %d formatting instead of \t to avoid messy spacing
- When printing the output to file, use \r\n instead of \n

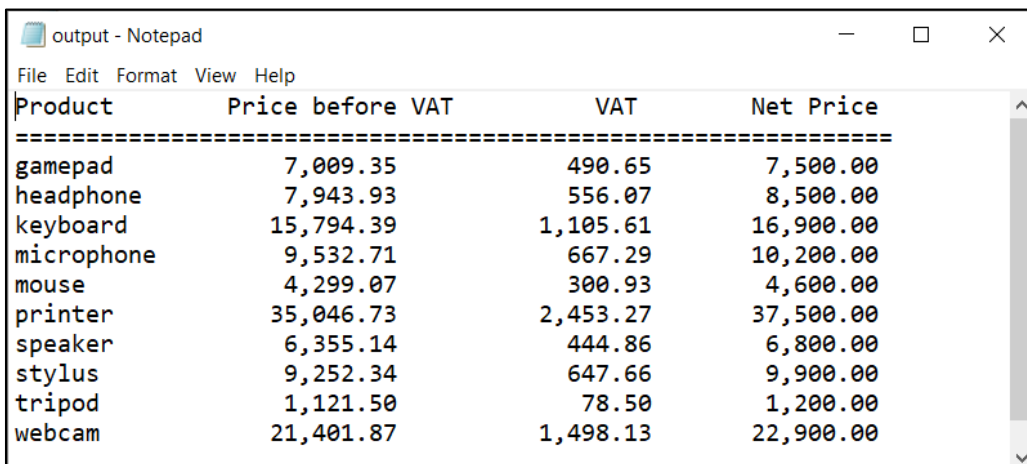


gamepad	750
headphone	850
keyboard	1690
microphone	1020
mouse	460
printer	3750
speaker	680
stylus	990
tripod	120
webcam	2290



```
--- exec-maven-plugin:3.0.0:exec (default-cli) @ solutions ---
Enter lot size =
10
Read product prices from src/main/java/Ex1/prices.txt
Write output to src/main/java/Ex1/output.txt

-----
BUILD SUCCESS
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```



Product	Price before VAT	VAT	Net Price
gamepad	7,009.35	490.65	7,500.00
headphone	7,943.93	556.07	8,500.00
keyboard	15,794.39	1,105.61	16,900.00
microphone	9,532.71	667.29	10,200.00
mouse	4,299.07	300.93	4,600.00
printer	35,046.73	2,453.27	37,500.00
speaker	6,355.14	444.86	6,800.00
stylus	9,252.34	647.66	9,900.00
tripod	1,121.50	78.50	1,200.00
webcam	21,401.87	1,498.13	22,900.00

