1.

Write a program that accepts a comma-separated sequence of words as input and prints the words in a comma-separated sequence after sorting them alphabetically.

**Sample Input**

**order**,hello,would,test

**Sample Output**

hello,order,test,would

2.

John is welfare worker who organizes blood donation camps.John has to alert people to donate blood but he has limited resources to advertise to the whole society,So instead John decides to send a notification to previous donors who are most likely donate again.John now has to predict whether the donors are likely to donate again or not based on past statistics.

The factors John is considering are the following:

·        Months since Last Donation

·        Number of Donations

·        Total Volume Donated (c.c.)

·        Months since First Donation

 John has a CSV which has the details of all factors mentioned above of each donor and based on them he needs to classify them into donors who are likely to donate their blood again.

The target column is what John has to predict in order to get the information about donors who are likely to donate once again. The numbers in the target column denotes the following:

1 - Likely to donate again

0 - otherwise

**Training data set:**

<https://media-doselect.s3.amazonaws.com/generic/oRNLYo72WOXZeEGxywq9GZQOQ/training-training-train.zip>

**Validation data set:**

<https://media-doselect.s3.amazonaws.com/generic/jOW4L4e1N51xzpGQwy1AjeBjx/validation-evaluation-test.zip>

**Sample Output:**

The output is given to show the format in which the output is expected (with header) and has no relation with above.

**target**

1

0

0

1

1

Create a csv file with the header as “target”.

**Output**

You need to write a CSV

**Evaluation:**

Your solution will be accepted only if the accuracy of the prediction is greater than 70%

3.

You need to predict the prices of the mobiles based on the available features on the mobile.

You will be given a CSV consisting of 21 columns out of which the last column is the target column (price\_range) which you need to predict based on the first 20 columns which are as following:

1) battery\_power (Total energy a battery can store in one time measured in mAh)

2) blue (Has bluetooth or not)

3) clock\_speed (speed at which microprocessor executes instructions)

4) dual\_sim (Has dual sim support or not)

5) fc (Front Camera mega pixels)

6) four\_g (Has 4G or not)

7) int\_memory (Internal Memory in Gigabytes)

8) m\_dep (Mobile Depth in cm)

9) mobile\_wt (Weight of mobile phone)

10) n\_cores (Number of cores of processor)

11) pc (Primary Camera mega pixels)

12) px\_height (Pixel Resolution Height)

13) px\_width (Pixel Resolution Width)

14) ram (Random Access Memory in Mega Bytes)

15) sc\_h (Screen Height of mobile in cm)

16) sc\_w (Screen Width of mobile in cm)

17) talk\_times (longest time that a single battery charge will last when you are)

18) three\_g (Has 3G or not)

19) touch\_screen (Has touch screen or not)

20) wifi (Has wifi or not)

The numbers in the target column**(price\_range)** denote:

0 - low cost

1 - medium cost

2 - high cost

3 - very high cost

**Training data set:**

https://media-doselect.s3.amazonaws.com/generic/MwgJwaJxN22qakXZLOVB7kq8N/training-training-train.zip

**Validation data set:**

**https://media-doselect.s3.amazonaws.com/generic/N49wEnr5O5ZNBZgYrJLNkxrYV/validation-evaluation-test.zip**

**Sample Output:**

**price\_range**

1

2

3

1

1

0

2﻿

Create a csv file with the header as “price\_range”.

**Output**

You need to write a CSV

**Evaluation:**

Your solution will be accepted only if the accuracy of the prediction is greater than 80%.