1. **(SQL)** Consider a table called “students”, having the following column fields:

“id” (type: INT)

“name” (type: TEXT)

“marks” (type: INT)

Write a SQL query which will calculate the average of the marks of the students passing. The passing criteria is that the marks should be at least 40. The average marks are to be returned using the column name “marksaverage”

1. **(Java / C#)** You will be given a list of integers. You need to output the smallest absolute difference you can get from any of the pairs you can of the pairs you can build using the integers of the list. For clarity, you are required to find min(abs(A[i] - A[j])), i != j, A being the list of integers. List size will be given in the first line of the input. List elements will be given in the second line, separated by a single blank space.

**Example**

Case 1:

For input given as:

2

1 2

The output of the program will be:

1

Case 2:

For input given as:

5

1 7 4 2 10

The output of the program will be:

1

1. **(Java / C#)** Write a program that receives a word A and some texts as input. You need to output the texts (without modifying them) in the ascending order of the number of occurrences of the word A in the texts. The input is as follows: an integer M (between 1 and 100, inclusive), followed by the word A in the next line, and some text in each of the M next lines.

Note: The texts and the word A contain only lowercase Latin letters (a, b, c, …, z) and blank spaces (“ ”). The maximum size of the texts and the word A is 100 characters. Every text has a different number of occurrences of the word A.

Note2: You must print one text per line without modifying the texts.

**Example**

Case 1:

For input given as:

2

java

i hate java

python is a good programing language

The output of the program will be:

python is a good programing language

i hate java

Case 2:

For input given as:

3

python

i like to code in python

python is named after a show named monty python and not after the snake python

i think python is good i think python is more important than php

The output of the program will be:

i like to code in python

i think python is good i think python is more important than php

python is named after a show named monty python and not after the snake python