# Exercise 1

**Please answer the following questions:**

▶ Company "MySpace Inc" requires the installation of Oracle Database Enterprise Edition on their network. Do they need a specialist in IT or CS? Explain the difference.

▶ You are trying to develop and write a new program which requires to sort the following numbers 12 2 1 5 3 in ascending order. Write down the algorithm for this program.

Return in writing the answers by email, in text format or PDF

**You are trying to develop and write a new program which requires to sort the following numbers 12 2 1 5 3 in ascending order. Write down the algorithm for this program.**

numbers = [12,2,1,5,3]

5 times:

      z = read a number

      append z to each number

sort numbers

5 times with x:

      write numbers [x]

```
procedure sort()
  list = new arrayList(int);

  list.add(12),
  list.add(2);
  list.add(1);
  list.add(5);
  list.add(3);

  sort(list);
  output(list);
end procedure
```

```
STEP I. START #1
STEP 2. COMPARE #2 with #1
STEP 3. IF #2 < #1 THEN SWAP #2,#1
STEP 4. CONTINUE #3
STEP 5. IF #3 < #2 THEN SWAP #3, #2
STEP 6. IF #3 < #1 THEN SWAP #3, #1
...
```