Sort an array in ascending order by the no.

I factors. By the no. of factors are same
then sort by value.

A: { 9, 3, 10, 6, 43 # of factors =) 3 2 4 4 3

A: {3,4,9,6,103

Comparator function:

* In any sorting algo, at a time me only need to compare Delements.

* No. of arguments = 2

* Based on the parameters & onles it should tell us which arg. should some first.

bool comp (int a, int b) 1

y1 = count factors (a);

b-a (f)

if (y1 < y2) return true;

if (y1 > y2) return false;

if (a < b) return true;

return false;

3

Sort (V. begin(), V. end(), comp);
Sort (a, a+n, comp);
array. Size

Java

Arrays. sort (Arr, new Comparator (Integer)() {

public int comp (inta, intb)!

// logic

3

Di Largest Number - Amazon Makemy Trip / Pay Tm / Zoho / MS! => Given an Array et size N et non negative integers, Arrange them s.t they form the

* fesult may be very large so return string instead of an integers.

A: [3, 30, 34, 5, 9]

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1 < N < 102 0 < A[i] < 2 × 109

~~ b ~30, 5}

if (ab > ba): (a) comes before else: (b) comes before @.

```
comp (String a, String b) l
         if (a+b > b+a) {
return true;

return false;

String largest Number (int A[], int N) (

String B[N];

for (i=0; i(N; i++) (
                 B[i] = to_string(A[i]);
         3
         802t (B, B+N, comp);
          String ans = ""
         for ( "= 0; i< N; i++)
          ueturn ans;
```

