

```

/*
 *   A program which prints the letters of a word (entered in the command line)
 *   in alphabetical order.
 */

class Alphabetical {
    public static void main (String[] args) {
        String word = (args.length == 0)? "DEFAULT" : args[0].toUpperCase();
        int[] count = new int[256];
        for (int i = 0; i < word.length(); i++)
            count[word.charAt(i)]++;
        for (int i = 0, j = 0; i < 256; j = count[++i])
            while (j --> 0)
                System.out.print((char)i);
        System.out.print("\n");
    }
}

```

```

/*
 *   Variable Description :
 *   -----
 *   Serial no. | Variable name | Data type | Purpose
 *   ~~~~~
 *   1          | word         | String   | Stores the word
 *             |              |          | entered
 *   -----+-----+-----+-----
 *   2          | count        | int[]    | Stores the number
 *             |              |          | of occurrences of
 *             |              |          | the character, whose
 *             |              |          | ASCII value is the
 *             |              |          | index of the count
 *   -----+-----+-----+-----
 *   3          | i            | int      | Counter variable
 *   ~~~~~
 */

```