

COMP500 / ENSE501: Week 11 – Exercise:

EXERCISE NAME: *QSort chars*

Write a program that asks the user to input a piece of text. The program must then sort the array of characters input using `qsort`.

An example of program's output is as follows:

```
> apple
Sorted: aelpp
```

Another example of program's output is as follows:

```
> racecar
Sorted: aaccerr
```

Another example of program's output is as follows:

```
> Hello COMP500/ENSE501 students!!!
Sorted:  !!!/000155CEEHMNOPSdeellnossttu
```

Another example of program's output is as follows:

```
> C programming is the best!
Sorted:  !Cabeegghiimmnoprrsstt
```

Another example of program's output is as follows:

```
> pneumonoultramicroscopicsilicovolcanoconiosis
Sorted: aacccccceiiiiiii111mmnnnnnoooooooooopprrssstuuu
```

Ensure the program output is exactly as described, and that the whitespace of your source code is well formatted.