

Who won the race?!?

Description

I will write a program that, given a list of values, will calculate the minimum of the values on the list and sort the list in order from least to greatest. The program will consider these values as time in seconds around a lap, and we are trying to find the fastest time and reorganize the list in order of who finished first.

The program has a predefined array of values that represent time in seconds for a car to finish a lap around a track. To find who had the fastest time we have a function that will find the minimum value of the array. The program also has a function that will sort the times in order from least to greatest that represents the positions of each racer from first, second, third, and so on.

Prototype Code

The following code was written in Python.

```
Phase1.py X
C: > Users > Jerry > Documents > Visual Studio 2022 > Phase1.py > ...
1  times = [97, 86, 92, 89, 84, 102, 94]
2
3  def FindMin(times):
4      return min(times)
5
6  def PositionList(times):
7      times.sort()
8      return times
9
10
11  # Calculate and display the fastest time(minimum)
12  Fastest = FindMin(times)
13  print("Fastest time: ", Fastest)
14
15  #Sorts the array from least to greatest(fastest to slowest) times
16  print("Current positions are: ",PositionList(times))
17
```

```
Fastest time: 84
Current positions are: [84, 86, 89, 92, 94, 97, 102]
```