

Java Script QAP 3

Donovan Head

Problem 1:

```
Coach Bob, age: 27, gender: M  
Lynne Brooke, age: 16, gender: F, ID: HS95129, GPA: 3.5  
Duke Java, age: 34, gender: M, subject: Computer Science, salary: 50000.0  
Ima Frosh, age: 18, gender: F, ID: UCB123, GPA: 4.0, year: 1, major: English
```

Problem 2:

```
MovablePoint before move: (1.5, 2.5), speed=(0.5, 0.5)  
MovablePoint after move: (2.0, 3.0), speed=(0.5, 0.5)
```

Problem 3 and 4:

```
Before scaling:  
Shape: Circle1, Area: 153.93804002589985, Perimeter: 43.982297150257104  
Shape: Ellipse1, Area: 47.12388980384689, Perimeter: 25.526986393758545  
Shape: Triangle1, Area: 9.797958971132712, Perimeter: 16.0  
Shape: EquilateralTriangle1, Area: 15.588457268119896, Perimeter: 18.0  
  
After scaling:  
Shape: Circle1, Area: 615.7521601035994, Perimeter: 87.96459430051421  
Shape: Ellipse1, Area: 188.49555921538757, Perimeter: 51.05397278751709  
Shape: Triangle1, Area: 39.191835884530846, Perimeter: 32.0  
Shape: EquilateralTriangle1, Area: 62.353829072479584, Perimeter: 36.0
```

Questions

1. I took me probably around 5-7 hours, but forgot to keep track this time.
2. I used your lectures and just google searching.
3. I did not have to ask any of my friends.
4. I did not have to ask any of my instructors.

5. If I had to rate this, I would say on a scale of 1-5, 5 being hard I give it a 2.