

Week 6 Quiz

5 Questions

1. Which of the following features does TypeScript add to JavaScript?

```
25/126 A Static typing
21/126 B Type checking
4/126 C Objects
76/126 D All of the above
```

2. Which of the following TypeScript functions would transpile to the JavaScript function below:

```
function pythagorean(a, b) {
            var cSq = a * a + b * b;
           return Math.sqrt(cSq);
         }
32/125 A function pythagorean(a:number, b:number):number {
                 var cSq = a*a + b*b;
                 return Math.sqrt(cSq);
            }
 6/125 B function pythagorean(a:number, b:number) {
                 var cSq = a*a + b*b;
                 return Math.sqrt(cSq);
            }
10/125 c function pythagorean(a, b) {
               var cSq = a * a + b * b;
               return Math.sqrt(cSq);
            }
37/125 D A and B
40/125 E A, B, and C
```

3. Which of the following is NOT a static type?

```
8/126 A Number
106/126 B Var
7/126 C Boolean
```

5/126 D String

- **4.** Relative to each other, what are the threshold and ceiling of Adobe Photoshop and Microsoft Paint?
- 77/123 A Photoshop: high ceiling, high threshold; Paint: low ceiling, low threshold
- 20/123 **B** Photoshop: high ceiling, low threshold; Paint: low ceiling, high threshold
- 9/123 C Photoshop: low ceiling, high threshold; Paint: high ceiling, low threshold
- **4/123 D** Photoshop: low ceiling, low threshold; Paint: high ceiling, high threshold
- 13/123 E I have nooooo idea!
 - 5. How would this visualization be specified in Vega-Lite?

- 1/122 D mark: "ticks",
 encoding: {
 x: {field: "MPT", type: "ordinal"},
 y: {field: "Horsepower", type: "ordinal"},
 color: {field: "Origin", type: "nominal"}
 }



