

Philip Pesic

Week 4

September 11 2022

Week 4 Q10

1) Why is there an Object Oriented Programming Paradigm?

The OOP Paradigm allows programmers group together functions and actions to create concepts of an object that make programming easier.

2) What is the syntax of a class?

```
class className {  
  
    private: variables;  
  
    public: functions;  
  
};
```

3) What are the 3 steps for classes?

Declaration

Private variables

Public functions

4) What are the reasons for class private access specifications?

Private variables cannot be accessed via dot

Philip Pesic

Week 4

September 11 2022

Week 4 Q10

5) What are the reasons for class public access specifications?

Public functions can be accessed via dot

6) How do you think classes simplify programming or make it more complex?

Classes, being a new concept, technically make programming more complex, as they introduce something new; however for the purpose they serve, they help make programming much simpler.

7) What does the DOT notation do?

The dot notation allows the programmer to access a function in a class.

8) Why make variables private?

To ensure that they cannot be tampered with in unexpected ways

9) Why make functions public?

To allow the user to call them

10) How is a class like a concept?

A class groups together variables and functions of an object much like a concepts groups together smaller individual things