OOP244 Quiz 2 question bank:

What are the two main categories of fundamental types?

1. Name the smallest integer type:
2. If A is an integer value that contains 25. What is the output of the following:  
   cout << !!A;
3. What is a Compound type?
4. What is a scope?
5. What is Shadowing?
6. What is a Reference?
7. If there is an integer called “X”, Write the code to create a reference to this integer (X) called R;
8. What is the output of the following program?  
   void foo(int& b){b = 20;}  
   int main(){  
    int a = 10;  
    foo(a);  
    cout << a<< endl:  
   }
9. Can a reference get created without being initialized?
10. What is the difference between dynamic and non-dynamic (static) memory with respect to life time?
11. Having a type called “Employee”, Write the code to dynamically create an instance of an Employee.
12. Delete the dynamic Employee created in question 11.
13. What is memory leak.