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.