

CS 161 Recitation

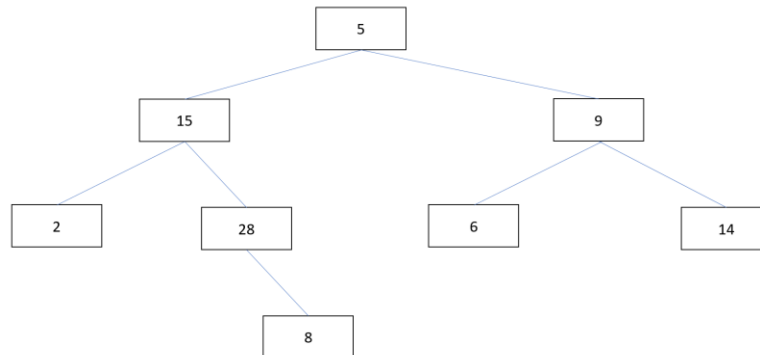
Worksheet: Week 6

1. What is your understanding of Pass by Value and Pass by Reference?
2. Compare and contrast C++ references and pointers. What do you not understand?
3. Write a `print_to_zero(int i)` function that will print from `i` to 0 **recursively**.

```
void print_to_zero(int i){  
  
  
  
}
```

**Optional topics if you have time:**

4. See if you can figure out what the following **recursive algorithm** will print based off the binary tree (Don't be intimidated, try tracing through the algorithm):



```
void Print_value(square x){  
    if square x does not exist  
        return //Don't print anything  
    Print_value(x's left child)  
    cout << x's value;  
    Print_value(x's right child)  
}
```