



Algorithms & Data Structures

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Assignment04 Due Sun 7th Nov 08:00 AM

1 Problem 1

Write Java Program for Binary Search using Recursive and Iterative methods?

2 Problem 2

Write Java program to find Fibonacci Sequence using iterative and recursive solutions?

3 Problem 3

Consider the following GCD code, rewrite it using recursive solutions?

Listing 1: GCD

```
public static int gcd(int a, int b){
    int r=0;
    while(b!=0)
    {
        r=a%b;
        a=b;
        b=r;
    }
}
```

```
    }  
    return a;  
}
```