

EC4070 Data Structure and Algorithm

Exercise

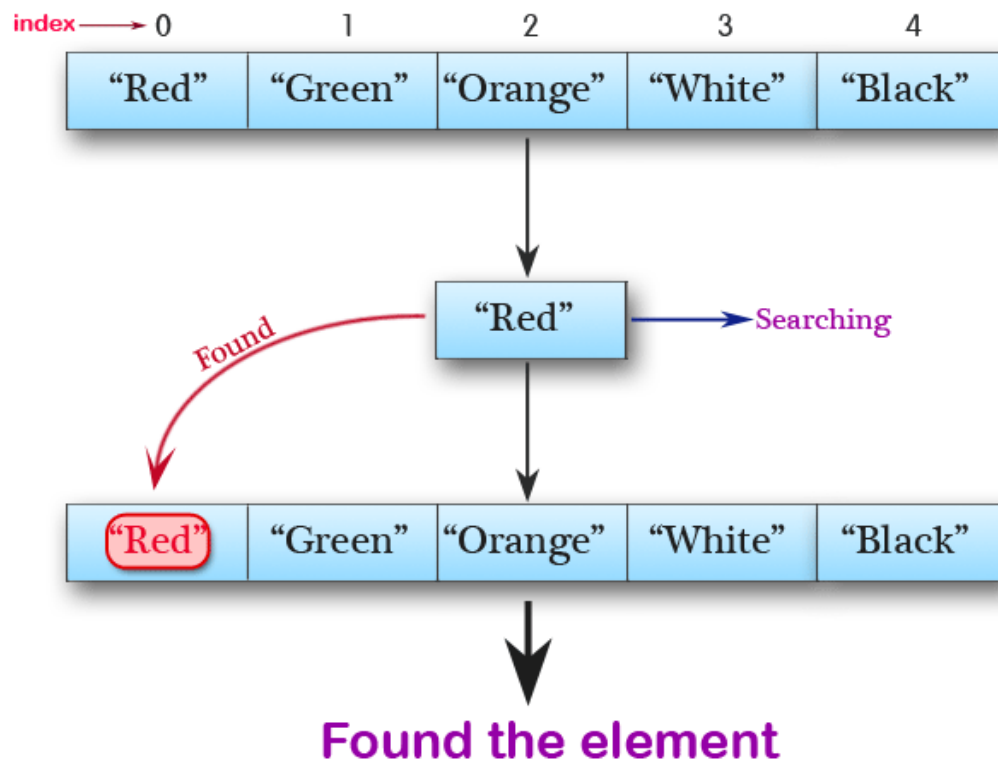
Q1) Write a program called Fibonacci to print the first 20 Fibonacci numbers?

Out put :- 0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765

Q2) Write a java program to count occurrences of each character in String in java. If the String is "Java Hungry" then the answer should be { v=1, a=2, r=1, u=1, v=1, g=1, H=1, y=1, J=1, n=1}

Q3) Write a java program to find common elements between the two given arrays. Suppose given two arrays array1= {1,4,7, 9, 2} array2 = {1,7,3,4,5} the answer should be {1,4,7}

Q4) Write a Java program to search an element in a array list



Q5) A class called Circle is defined as shown in the class diagram. It contains two private member variables: radius (of type double) and color (of type String); and three public member methods: getRadius(), getColor(), and getArea(). You have to write the code using oop concepts.

Class Definition

Circle
-radius:double=1.0 -color:String="red"
+Circle() +Circle(r:double) +Circle(r:double,c:String) +getRadius():double +getColor():String +getArea():double