```
import java.util.Scanner;


public class day_8 {
    public static void main(String[] args) {
        Scanner sc=new Scanner(System.in);
        //1
             /* String a =sc.next();
              int v = 0, c = 0;
              a = a.toLowerCase();
              for (int i = 0; i < a.length(); i++) {
                 char d = a.charAt(i);
                 if (d >= 'a' && d <= 'z') {
                    if (d == 'a' || d == 'e' || d == 'i' || d == 'o' || d == 'u') v++;
                    else c++;
                 }
              }
              System.out.println("Vowels: " + v);
              System.out.println("Consonants: " + c);
           }
        }
*/
        //2
             /*String a = sc.next();
             String b = "";
             for (int i = a.length() - 1; i >= 0; i--) b = b + a.charAt(i);
             System.out.println(b);
           }
        }*/
        //3


             /* String a = sc.next();
```

```
        String b = "";
        for (int i = a.length() - 1; i >= 0; i--) b = b + a.charAt(i);
        if (a.equals(b)) System.out.println("Palindrome");
        else System.out.println("Not Palindrome");
      }
    }*/
    //4
        /*String a = sc.next();
        String b = "";
        for (int i = 0; i < a.length(); i++) {
          char d = a.charAt(i);
          if (b.indexOf(d) == -1) b = b + d;
        }
        System.out.println(b);
      }
    }
*/
    //5
        /*String a = sc.next();
        String[] b = a.split(" ");
        String d = "";
        for (int i = 0; i < b.length; i++) {
          if (b[i].length() > d.length()) d = b[i];
        }
        System.out.println(d);
      }
    }*/
    //6

       /* String a = sc.next();
        String b = sc.next();
```

```
        int c = 0;
        for (int i = 0; i <= a.length() - b.length(); i++) {
            String d = a.substring(i, i + b.length());
            if (d.equals(b)) c++;
        }
        System.out.println(c);
    }
}*/
//7
        /*String a = sc.next();
        String b = "";
        for (int i = 0; i < a.length(); i++) {
            char d = a.charAt(i);
            if (d >= 'a' && d <= 'z') b = b + (char)(d - 32);
            else if (d >= 'A' && d <= 'Z') b = b + (char)(d + 32);
            else b = b + d;
        }
        System.out.println(b);
    }
}*/
//8
        /*String a = "apple";
        String b = "banana";
        int d = a.compareTo(b);
        if (d < 0) System.out.println(a + " comes before " + b);
        else if (d > 0) System.out.println(b + " comes before " + a);
        else System.out.println("Both are equal");
    }
}*/
//9
```

```
        /*String a = sc.next();
        int m = 0;
        char r = ' ';
        for (int i = 0; i < a.length(); i++) {
           char d = a.charAt(i);
           int c = 0;
           for (int j = 0; j < a.length(); j++) {
              if (a.charAt(j) == d) c++;
           }
           if (c > m) {
              m = c;
              r = d;
           }
        }
        System.out.println(r);
     }
  }
*/
  //10

        /*String a = sc.next();
        char r = 'l';
        String b = "";
        for (int i = 0; i < a.length(); i++) {
           if (a.charAt(i) != r) b = b + a.charAt(i);
        }
        System.out.println(b);
     }
  }*/
  //11
```

```
            /*String a = sc.nextLine().toLowerCase();
            String b = sc.nextLine().toLowerCase();
            int[] f1 = new int[26];
            int[] f2 = new int[26];
            for (int i = 0; i < a.length(); i++) {
               char d = a.charAt(i);
               if (d >= 'a' && d <= 'z') f1[d - 'a']++;
            }
            for (int i = 0; i < b.length(); i++) {
               char d = b.charAt(i);
               if (d >= 'a' && d <= 'z') f2[d - 'a']++;
            }
            boolean r = true;
            for (int i = 0; i < 26; i++) {
               if (f1[i] != f2[i]) {
                  r = false;
                  break;
               }
            }
            if (r) System.out.println("Anagram");
            else System.out.println("Not Anagram");
         }
      }
*/
      //12
public class ReplaceWord {
   public static void main(String[] args) {
      String sentence = "I love Java programming";
      String wordToReplace = "Java";
      String replacementWord = "Python";
```

```
        // replace method
        String newSentence = sentence.replace(wordToReplace, replacementWord);

        System.out.println("Original: " + sentence);
        System.out.println("Modified: " + newSentence);
    }
}
```

```
    }
}
```