

Exercise 2

1. State the output of the program.

```
class exercise2_1 {
    public static void main( String str[ ] ) {
        String s = "Inheritance";
        System.out.println("A -> " + s.charAt(7) );
        System.out.println("B -> " + s.indexOf('i') );
        System.out.println("C -> " + s.indexOf("her") );
        System.out.println("D -> " + s.lastIndexOf('n') );
        System.out.println("E -> " + s.indexOf('l') );
        System.out.println("F -> " + s.length( ) );
        System.out.println("G -> " + s.toUpperCase( ) );
        System.out.println("H -> " + s.toLowerCase( ) );
    } // end main
} // end class
```

2. State the output of the program.

```
class exercise2_2 {
    public static void main( String str[ ] ) {
        String s1 = "February", s2 = "february";
        System.out.println("A -> " + s1.substring(0, 3) );
        System.out.println("B -> " + s2.substring(2, 5) );
        System.out.println("C -> " + s1.substring(4) );
        System.out.println("D -> " + s1.equals(s2) );
        System.out.println("E -> " + s1.equalsIgnoreCase(s2) );
        System.out.println("F -> " + s1.compareTo(s2) );
        System.out.println("G -> " + s2.compareTo(s1) );
        System.out.println("H -> " + s1.startsWith("Feb") );
        System.out.println("I -> " + s1.endsWith("ark") );
        System.out.println("J -> " + s2.replace('y', 'k') );
    } // end main
} // end class
```

3. Write a program that allows you to store your first name in str[0] and last name in str[1] as input. (Hint: start with public static void main(String str[]))
Output the following statements using your own name and String methods:

```
My full name -> Brad Pitt
My first name in uppercase -> BRAD
My last name in lowercase -> pitt
My initials -> B.P.
Length of my last name -> 4
```