DAY: 1

Que:1

```
import java.util.Scanner;

public class ArithmeticOperations {
   public static void main(String[] args) {

      Scanner scanner = new Scanner(System.in);

      int num1 = scanner.nextInt();
      int num2 = scanner.nextInt();

      int sum = num1 + num2;
      int difference = num1 - num2;
      int product = num1 * num2;
      int quotient = num1 / num2;
      int remainder = num1 % num2;

      System.out.println("Sum: " + sum);
      System.out.println("Difference: " + difference);
      System.out.println("Product: " + product);
      System.out.println("Quotient: " + quotient);
      System.out.println("Remainder: " + remainder);

      scanner.close();
   }
}
```

QUE:2

```
import java.util.Scanner;

public class Main {
    public static void main(String[] args) {

        Scanner sc = new Scanner(System.in);

        String s = sc.next();

        int[] freq = new int[26];

        for (int i = 0; i < s.length(); i++) {
            freq[s.charAt(i) - 'a']++;
        }

        int maxFreq = 0;
        for (int i = 0; i < 26; i++) {
            if (freq[i] > maxFreq) {
                maxFreq = freq[i];
            }
        }

        int result = s.length() - maxFreq;

        System.out.println(result);
    }
}
```

QUE:3

```
import java.util.Scanner;

public class RelationalOperatorExample {
   public static void main(String[] args) {

      Scanner scanner = new Scanner(System.in);

      int num1 = scanner.nextInt();
      int num2 = scanner.nextInt();

      if (num1 > num2) {
         System.out.println("true");
      } else {
         System.out.println("false");
      }

      scanner.close();
   }
}
```

QUE:4

```
public class Main {

   public static String reverseEachWord(String s) {

      String[] words = s.split(" ");
      String result = "";

      for (int i = 0; i < words.length; i++) {
         String word = words[i];
         String rev = "";

         for (int j = word.length() - 1; j >= 0; j--) {
            rev = rev + word.charAt(j);
         }

         result = result + rev;

         if (i < words.length - 1) {
            result = result + " ";
         }
      }
      return result;
   }

   public static void main(String[] args) {

      if (args.length > 0) {
         System.out.print(reverseEachWord(args[0]));
      }
   }
}
```