6.1 import java.util.Scanner;

```
public class GradeReport
{

  //--------------------------------------------------------------------
   //  Reads a grade from the user and prints comments accordingly.
   //--------------------------------------------------------------------
   public static void main(String[] args)


 {
     int grade, category;


    Scanner scan = new Scanner(System.in);
     System.out.print("Enter a numeric grade (0 to 100): ");


    grade = scan.nextInt();
     category = grade / 10;
     System.out.print("That grade is ");


    switch (category)
     {


       case 10:
          System.out.println("a perfect score. Well done.");
          break;


       case 9:
          System.out.println("well above average. Excellent.");
          break;


       case 8:
          System.out.println("above average. Nice job.");
          break;
      case 7:
            System.out.println("average.");
            break;
```

```
          case 6:
             System.out.println("below average. You should see the");
             System.out.println("instructor to clarify the material "
                          + "presented in class.");
            break;
           default:
            System.out.println("not passing.");
        }
} }
```

LISTING 6.2

```
import java.util.Scanner;


public class ReverseNumber
{


  //-----------------------------------------------------------------
   //  Reverses the digits of an integer mathematically.
   //-----------------------------------------------------------------
   public static void main(String[] args)


  {
      int number, lastDigit, reverse = 0;


     Scanner scan = new Scanner(System.in);
      System.out.print("Enter a positive integer: ");


     number = scan.nextInt();


do

     {
        lastDigit = number % 10;
        reverse = (reverse * 10) + lastDigit;
        number = number / 10;
```

```
    }
     while (number > 0);


    System.out.println("That number reversed is " + reverse);
  }


}
```