Assignment 1

1. Complete the following application that inputs a three-digit number from the user and prints it in reverse. Below is a sample output (user input is in bold).

   Enter a three-digit number: 123
   Your number reversed is: 321

   ```
   import java.util.Scanner;
   public class Exe_One
   {
           public static void main(String[] args)
           {
                   Scanner in= new Scanner(System.in);
                   int number;
                   System.out.println ("Enter a three digit number: ");
                   number = in.nextInt();
   ```

2. Write a program to determine if the digits in a three-digit number are all odd, all even, or mixed (odd and even). Your program should prompt the user to input a three-digit number. If the digits in the number are all odd, write: "This number contains all odd digits." If the digits are all even, write: "This number contains all even digits." If the number contains both odd and even digits, write: "This number contains both odd and even digits." Use integer division and modules to access the digits in the number.