**package** com;  
  
**public class** myhomework {  
 **public static void** main(String[] args) {  
  
 **int** a = 333;  
 System.***out***.println(**"Result (16 -> 10) = "** + (3\*Math.*pow*(16,2) + 3\*Math.*pow*(16,1) + 3\*Math.*pow*(16,0)));  
*// Result (16 -> 10) = 819.0* **int** a = 637;  
 *// 10 -> 16* System.***out***.println(637 / 16 ); *//39* System.***out***.println(637 % 16); *//13* System.***out***.println();  
  
 System.***out***.println(39 / 16); *//2* System.***out***.println(39 % 16); *//7* System.***out***.println();  
  
 System.***out***.println(2 / 16); *//0* System.***out***.println(2 % 16); *//2* System.***out***.println();  
  
 **int** a16 = 0x27d;  
 System.***out***.println(**"Result 637 (10 -> 16) = "** + a16);  
 *// 16 -> 10* System.***out***.println(**"Result (16 -> 10) = "** + (2\*Math.*pow*(16,2) + 7\*Math.*pow*(16,1) + 13\*Math.*pow*(16,0)));  
 *// 10 -> 2* System.***out***.println(637 / 2); *//318* System.***out***.println(637 % 2); *//1* System.***out***.println();  
  
 System.***out***.println(318 / 2); *//159* System.***out***.println(318 % 2); *//0* System.***out***.println();  
  
 System.***out***.println(159 / 2); *//79* System.***out***.println(159 % 2); *//1* System.***out***.println();  
  
 System.***out***.println(79 / 2); *//39* System.***out***.println(79 % 2); *//1* System.***out***.println();  
  
 System.***out***.println(39 / 2); *//19* System.***out***.println(39 % 2); *//1* System.***out***.println();  
  
 System.***out***.println(19 / 2); *//9* System.***out***.println(19 % 2); *//1* System.***out***.println();  
  
 System.***out***.println(9 / 2); *//4* System.***out***.println(9 % 2); *//1* System.***out***.println();  
  
 System.***out***.println(4 / 2); *//2* System.***out***.println(4 % 2); *//0* System.***out***.println();  
  
 System.***out***.println(2 / 2); *//1* System.***out***.println(2 % 2); *//0* System.***out***.println();  
  
 System.***out***.println(1 / 2); *//0* System.***out***.println(1 % 2); *//1* System.***out***.println();  
  
 **int** a2 = 0b1001111101;  
 System.***out***.println(**"Result 637 (10 -> 2) = "** + a2);  
  
 *// 10 -> 3* System.***out***.println(637 / 3); *// 212* System.***out***.println(637 % 3); *//1* System.***out***.println();  
  
 System.***out***.println(212 / 3); *//70* System.***out***.println(212 % 3); *//2* System.***out***.println();  
  
 System.***out***.println(70 / 3); *//23* System.***out***.println(70 % 3); *//1* System.***out***.println();  
  
 System.***out***.println(23 / 3); *//7* System.***out***.println(23 % 3); *//2* System.***out***.println();  
  
 System.***out***.println(7 / 3); *//2* System.***out***.println(7 % 3); *//1* System.***out***.println();  
  
 System.***out***.println(2 / 3); *//0* System.***out***.println(2 % 3); *//2* System.***out***.println();  
  
 **int** a3 = 212121;  
 System.***out***.println(**"Result 637 (10 -> 3) = "** + a3);  
  
  
 **int** a2 = 0b1111011;  
 System.***out***.println(**"Result 123 (10 -> 2) = "** + a2);  
 *// 2 -> 10* **int** a = 11100111;  
 System.***out***.println(**"Result (2 -> 10) = "** +  
 (1\*Math.*pow*(2,7) + 1\*Math.*pow*(2,6) + 1\*Math.*pow*(2,5) + 0\*Math.*pow*(2,4) +  
 0\*Math.*pow*(2,3) + 1\*Math.*pow*(2,2) + 1\*Math.*pow*(2,1) + 1\*Math.*pow*(2,0)));  
 *// Result (2 -> 10) = 231.0* }  
}