**package** Question19;

**class** RepeateElement

{

**void** printRepeating(**int** arr[], **int** size)

{

**int** xor = arr[0];

**int** set\_bit\_no;

**int** i;

**int** n = size - 2;

**int** x = 0, y = 0;

**for** (i = 1; i < size; i++)

xor ^= arr[i];

**for** (i = 1; i <= n; i++)

xor ^= i;

set\_bit\_no = (xor & ~(xor - 1));

**for** (i = 0; i < size; i++) {

**int** a = arr[i] & set\_bit\_no;

**if** (a != 0)

x = x ^ arr[i];

**else**

y = y ^ arr[i];

}

**for** (i = 1; i <= n; i++)

{

**int** a = i & set\_bit\_no;

**if** (a != 0)

x = x ^ i;

**else**

y = y ^ i;

}

System.***out***.println("The two reppeated elements are :");

System.***out***.println(x + " " + y);

}

**public** **static** **void** main(String[] args)

{

RepeateElement repeat = **new** RepeateElement();

**int** arr[] = {4, 2, 4, 5, 2, 3, 1};

**int** arr\_size = arr.length;

repeat.printRepeating(arr, arr\_size);

}

}