Task 2: Unique Elements Identification

Given an array of integers where every element appears twice except for two, write a function that efficiently finds these two non-repeating elements using bitwise XOR operations.

```
public class FindNonRepeatingElements {
       public static void findNonRepeating(int[] arr) {
              int xor=0;
              for(int num: arr) {
                      xor^=num;
               }//for
              int setBit=xor&-xor;
              int x=0,y=0;
              for(int num: arr) {
                      if((num&setBit)==0) {
                             x^=num;
                      }else {
                             y^=num;
                      }//else
              System.out.println("Two non repeating elements are: "+x+
                             " and "+y);
       }//fun
       public static void main(String[] args) {
              int[] arr = \{4,1,2,1,2,3,4,5\};
              findNonRepeating(arr);
       }//main
}//class
```