FLAMES 01

I frankly remember playing a game during my school days. So what we will do is, we would write down two names and try to cancel out common letters and then try to find out the remaining letters and then count them. Once you have a count, once you note this down what we would do is, we would write down this word flames f l a m e s and we would go ahead and we would try cancelling out the letters after counting the given number and whatever remains is the relationship between these two people. For example let us take names of two people amit and amit likes deepika the celebrity right? so what we can do is we can try to see what, what will their relationship lead to right this is a very childhood game that we all have played at least i had played my classmates would be a whole lot of this so a and a gets cancel the amit 'a' and deepika 'a' and 'm' is not in common! 'I' and 'i' gets cancelled, 't' is not in common so the number here would be m t d e e p k which is one two three four five six and seven, now what we do, we start counting from 'f', 'f' is one 'l' is two, 'a' is three, 'm' is four, 'e' is five and 's' is six so one two three four five six and seven moment seven comes that part is struck out and again i will start with 'l' one two three four five six seven and 'a' gets struck out, one two three four five six seven 's' goes away, one two three four five six seven 'l' goes away 'm' is one 'e' is two 'm' is three 'e' is four, five six seven 'm' goes away and 'e' remains so the fun conclusion would amit and deepika have the relationship enemies, 'e 'for enemies so similarly 'f' stands for friend, 'l' stands for love, 'a' stands for affection, 'm' stands for marriage that amit will be marrying the celebrity deepika and e means they are enemies which unfortunately turns out to be the answer, 's' is the celebrity is a sister so as i said it is a fun game people would have played this but the reason why we choose this as a example is this represent a very famous mathematics question called the Josephus problem ok if you are interested you can take a look at it but what interest us in joy of computing is to write a piece of code for this and what would we do, a piece of code that will ask for the guys name and then the celebrity girls name and then will tell you what is the relationship between them using this fun algorithm