

FLAMES 02

Hello guys, welcome to programming screen cast on flames. So flames is nothing but a game that is a very interesting game that most of you would have played in your childhood i guess or if not played you would have seen someone playing or you would have seen some where the game is being played some experience would be there. So we are going to relive those childhood days through this joy. So before starting with the programming part let me take you back to that memorable days by explaining what this actually game is, what this game flames is, so we will start off with it. So in flames what are these things f l a m e s its not just a single word, all these have some expansion sort of thing so f stands for friends, l stands for love, a stand for affection. M stands for marriage, e stands for enemy, s stands for siblings so this is what we abbreviate and call as flames so basically in this game if you could see, see some two names are given and mostly it would be the case that one is a boy and one is a girl it you can that makes sense basically for flames if you see the expansion will have something like love, marriage all those are generally between people of different genders right. so its generally case that one of your name is of a male and other one is of female so two names are given and you are suppose to predict a sort of just say what could be the relationship that could exist between these two people. For example ajay and priya are the two names we have, what is the relationship between these two? This what you are going to predict. So what we generally do is, we would strike out the common letters between the two names and then will start counting from here, how many letters are left out based on that will start counting and will cross out each and every letter and slowly will proceed till we just have one letter left out in this word flames and that particular letter is the result is what is displayed. This is how it goes maybe let me go slowly. The first thing is i said you should cross out the common letter right? you should cross out the common letters so as you could see there are two names you need to cross out the common letters, we will explore this part of crossing out the common letters see you take a single name ajay, you have two letters here and here that is common that is here is also a letter 'a' here is also a letter 'a', you cannot cross out these two this crossing out is not allowed, what is allowed is you have a 'a' here and you have a 'a' in the other person's name so you can cross out these two letters and this is allowed, so once you have crossed out the names now that remain is j and p r i y, that is the names that remain. So as i said you can remove 'a' or you cross out 'a' and what you have as remaining you compare those two names see as i had said you are comparing these two names and here also you have a letter in common 'y' so you have to cross out this letter 'y' i am sorry this has to be 'y' so remove 'y' and now compare these left out strings J A and P R I you have to compare it. J A and P R I if you compare there is no match there is nothing common between these two strings so in this point of time you count how many letters are remaining, one two three four five, five letters are remaining so here the answer we get is five. Now you have the word flames, you start counting from the left count five because we got five in the previous so count five, one two three four five see so E is where we are stopping at so you have to cross out that E so E enemy is not the relationship you have to cross it out and the next round you should not take it as F L A M S instead you should start from this point S start at S and then you add of the left hand side part, whatever is in the right side you have to take it first then you have to add the left side as it is, that is how you have to take it for the next round so

the next round now i get as F L A M now i have to repeat it with this let me do that ok as F L A M one two three four five i am at M so M is crossed out so after you cross out M whatever is in the right there is nothing in the right so leave it then whatever is in the left S F L A this is in the left so you have to check it with S F L A now see we have four letters remaining but we need to go in counts of five so where will we go for the fifth letter, noting just come back to the first letter and start counting again this is how you do, this is what we call as modular counting that is what we are going to do now go in the clockwise direction sorry anticlockwise direction sorry anticlockwise ok so S F L A so you have to start counting five letters from the left and go back in the anticlockwise direction i am sorry this is anticlockwise S F L A one two three four again come back here five so you are at S so you cross out S so whatever is in the right F L A whatever is in the left nothing so now you have to compare F L A let us do that F L A same like that you have to count five and you have to go out in the anticlockwise direction please note this its anticlockwise because we are going this way we are going in this way so it is anticlockwise so one two three four five we are at L so L is not the relationship so you cross this out you cross out this L, L is not the relationship you cross it out now what is remaining? In the right side you have A you write it then on the left side you have F write it, so you are left out with A and F now we have to repeat it with this so let us do that A and F will count five steps one two three four five so at A we are standing so we have to cross out A and now we are left with just one letter F and this is when we have to declare the result is friends so ajay and priya were friends is what we got. This is how we have to play this game. So what is the thing that is slightly challenging here is you have to do the modular counting and you have to start counting from the part where you left that is that time we had stopped at E so we have to start our string next time with S so S F L A M we have to take, we could not take F L A M S so that is where is the tricky part here so we have to try coding this thing that is what we are going to do in this exercise. we will see that in the next video.