

## **BIRTHDAY PARADOX-FIND YOUR TWIN 01**

Let me take the list of my friends, eight of my friends namely, rishi aeyathi rishi anamika akruthi vidya amit and simran. I go to all these eight people and ask them what is your day of birth by day i mean Monday or Tuesday or Wednesday Thursday Friday Saturday Sunday right? They all will give me their respective answers hoping that they know their day of birth, all of us know in fact. They all will give their answers but one thing is for sure that two people here would be born on the same day when i ask them i noticed that this was the answer and you see that there are two people born on the same day as you can see. This is like stating the obvious you take eight people and you ask them what is your day of birth, what is your day of birth a person can be born in one of these seven days, when you take eight people definitely for sure you will find two people with the same day of birth. Now let me some other experiment let me go on the roads and ask people randomly their dd mm by this i mean their day of birth and month of birth, dd stroke mm, let me ask a few people and see if i find two people who were born on the same dd mm, now if i ready to do this experiment do you think one can guarantee me of a repetition if i go and talk to forty people may be not. Look at the previous example, if i take eight people for sure two people will be born on the same day but if i ask them dd mm there are three hundred and sixty five possibilities, three sixty six possibilities if you include the leap year. Unless i have more than this number assume i had some four hundred people then i know some two people will have the same dd mm if i take less than three sixty five can i guarantee? May be not. But i will challenge you all that if you go on the road side and stop forty people who are going by and ask them their dd mm in forty or fifty counts you will definitely see two people with the same dd mm you don't believe me come let's go and conduct this excise and check whether what i am saying is right or not?