SECURIN ASSIGNMENT

Here we have two six-sided dice, Die A and Die B, each with faces numbered from 1 to 6.

When rolled together we get 36 combinations i.e, each number on dice 1 is mapped to each number on dice 2.These are the possible combinations we get

[(1,1),(1,2),(1,3),(1,4),(1,5),(1,6)]

[(2,1),(2,2),(2,3),(2,4),(2,5),(2,6)]

[(3,1),(3,2),(3,3),(3,4),(3,5),(3,6)]

[(4,1),(4,2),(4,3),(4,4),(4,5),(4,6)]

[(5,1),(5,2),(5,3),(5,4),(5,5),(5,6)]

[(6,1),(6,2),(6,3),(6,4),(6,5),(6,6)]

we can use for loop to iterate over 2 arrays and the summation of them could be represented in a 6\*6 matrix

for the probability we can use hashmap to store the frequency of sum so that we can divide with total combinations to get the probability.

