Assignment Name = Muhammael Shaheer. Roll No = 20p - 0480. (A) # include Liostseam 7 # include < vector 7 # include 1 cstdliby # include 1 ctime > book has Shound Birthday (int numPeople Stel const int clays In Year = 365;
bool bixthologys [days in Year] = {talse}; For (int i=0; it num People; it+) int birthology = sand () o/o days in Year;
if (birthology). birthdays [birthelay] = + sue return false.

clouble birthday Paradox Simulation (int num Simulations, int shared birthday court = 0; for (int i = 0; 12 num Simulations; 1++ 9 if (has shevreal biotheley (num people)) Shared bistheley count to double probability = static cast eclouble > (shared Biothcley Venunt) I num simulations; seturn probability. int maier (Stand (Static-cost < unsigned > (time (o)) 760 int num People = 23; int num Simulations = 1000;

num Simulations V 2 num People); "Probability or

especially in organizational

