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Purpose: Assignment1
Details: write a program that solves the puzzle (I + DID + IT = TOO) using nested loops for each character, the loops should
randomly assign a number to each character from zero to nine. All possible solutions will be printed with the use of a counter that counts the sets of
numbers that satisfy the equation.
also create a makefile for the program.
#include<iostream>
                       // library
#include<cmath>
using namespace std;
int main()
cout << "Welcome to cryptarithmtic puzzle Game\n The program solves the puzzle (I + DID + IT = T00)" << endl;</pre>
cout << "
                                " <<endl;
int solutioncounter = 0;
for(int T=0;T<10;T++){</pre>
            for(int I=0; I<10; I++) {</pre>
                        for(int D=0;D<10;D++){</pre>
                                     for(int 0=0;0<10;0++){</pre>
int DID = D*100+I*10+D;
int IT = I*10+T;
int T00 = T*100+0*10+0;
                                                 if(I+DID+IT==T00 && I+DID+IT!=0 && T != I && T != D && T != 0 && I != D && I !=
0 && D != 0){
                                                  solutioncounter++;
                                                 cout <<"The set of values that satisfy the equation = "<< solutioncounter<<"</pre>
The values of the letters are :"<<endl;
                                                 cout <<"T ="<<T<<endl;</pre>
                                                 cout <<"I ="<<I<<endl;
                                                 cout <<"D ="<<D<<endl;</pre>
                                                  cout <<"0 ="<<0<<endl;
                                                 cout <<"The number are "<<I<<" "<<DID<<" "<<IT<<" "<<T00<<endl;</pre>
                                                 }
                                     }
                        }
            }
return 0;
```