**PROGRAMS :** Write a program to calculate the value of F, e=8.8542 ,user input q1,q2,r1,r2

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#include<iostream>

#include<math.h>

using namespace std;

int main(){

double q1,q2,r1,r2,force;

const double E=8.85,PI=3.14;

cout<<"Enter the values of q1 q2 r1 and r2\n";

cin>>q1>>q2>>r1>>r2;

force=(q1\*q2\*r2)/(4\*PI\*E\*r1\*r1);

cout<<"The force experienced is :"<<force<<endl;

return 0;

}

Input:

3 6 2 7

Output:

