

Aim: To write a program to invoke 2 user defined function to calculate the sum of individual digits of root of a number

Source Code:

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//page 368 question 5
#include<iostream.h>
#include<conio.h>
int sqlarge(int &,int &);
int sum(int);
void main()
{
    clrscr();
    int a,b;
    cout<<"Enter The Two Numbers : \n";
    cin>>a>>b;
    int l=sqlarge(a,b);
    int s=l*l;
    cout<<"Processing...."<<s;
    int m=sum(s);
    cout<<"\n"<<m;
    getch();
}
int sqlarge(int & p,int & q)
{
    int var_temp,var_max,var_sqr;
    if(p>q)
    {
        var_max=p;
    }
    if(q>p)
    {
        var_max=q;
    }
    return(var_max);
}
int sum(int l)
{
    int temp_var,temp_add=0;
    while(l>0)
    {
        temp_var=l%10;
        temp_add+=temp_var;
        l=l/10;
    }
    return(temp_add);
}
```