**Practice-1**

**Aim: WAP to create a class which illustrate the concept of handling all types of exceptions using general exception.**

**Program:**

#include<iostream>

using namespace std;

class calci

{

public :

int a;

int b;

public :

void setdata()

{

cout << "enter the first value:->"; cin>>a;

cout << "enter the second value:->"; cin>>b;

}

};

int main()

{

calci n;

int choice;

int sum;

do

{ cout << "-----------------------------------------------------------"<<endl;

n.setdata();

cout << "-----------------------------------------------------------"<<endl;

cout << "please enter your choice ::=>"<<endl;

cout << "1. for addition."<<endl;

cout << "2. for substraction."<<endl;

cout << "3. for multiplication."<<endl;

cout << "4. for division."<<endl;

cout << "0. for exit."<<endl;

cout << "==>";

cin >> choice ;

switch(choice)

{

case 0:

break;

case 1:

sum=n.a+n.b;

cout << "addition is "<<sum<<endl;

break;

case 2:

sum=n.a-n.b;

cout << "substraction is "<<sum<<endl;

break;

case 3:

sum=n.a\*n.b;

cout << "multiplication is "<<sum<<endl;

break;

case 4:

try

{

if(n.b==0)

{

throw 12;

}

else

{

sum=n.a/n.b;

cout << "division is "<<sum<<endl;

}

}

catch(int v)

{

cout <<"error"<<endl;

}

break;

default:

cout <<"please enter valid choice ..." <<endl;

break;

cout << "-----------------------------------------------------------"<<endl;

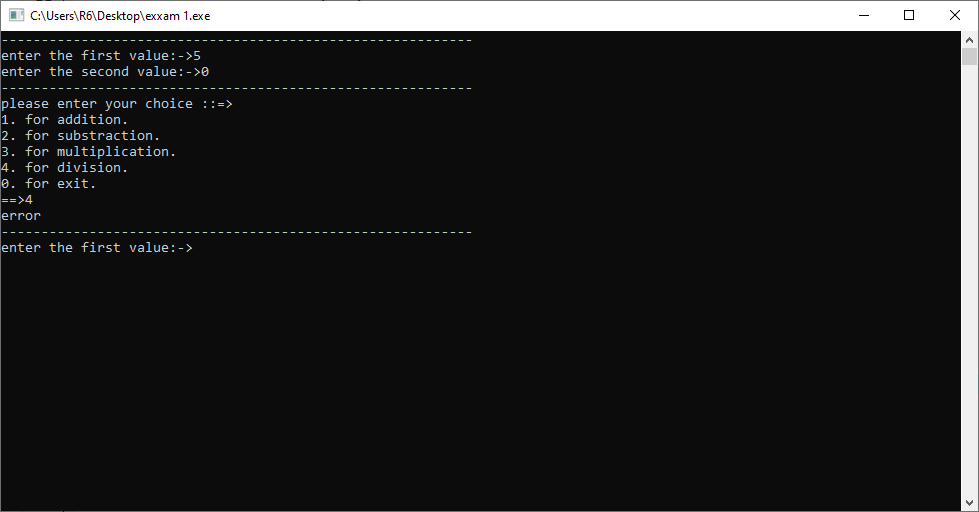
}

}while(choice!=0);

return 0;

}

**Output:**

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