# Atharva.apxc

public class Atharva (

public Decimal num1 ( get; set; ï public Decimal num2 ( get; set; ) public Decimal result ( get; set: ) public String operation 9et; set; )

public List< SelectOption > operations ( get; set; )

// Constructor public Atharva() (

num1 = 0;

num2 = 0;

result = 0; operation = ”;

operations = new List< SelectOption >(); operations.add(new SeIectOption(",’Select Operation’)): operations.add(new SeIectOption('add', 'Addition’)); operations.add(new SeIectOption(’subtract', 'Subtraction’));

operations.add(new SeIectOption(’multiply', 'Multiplication')); operations.add(new SeIectOption(’divide', ’Division’));

*//* Method to calculate based on selected operation public void calculate() (

if (operation = = 'add') I result = num1 + num2;

) else if (operation = = 'subtract') (

result = num1 - num2;

) else if (operation = = 'multiply') ( result = num1 \* num2;

) else if (operation = - 'divide' && num2 ! = 0) ( result = num1 / num2;

) else (

result = null;

)

*//* Method to clear inputs

public void clear() ( num1 = 0;

num2 = 0;

result = 0; operation = ";

# Atharva.vfp

<apex: page controIIer="Atharva">

<apex:form id="calculatorForm">

<apex: p°9eBIocktitle="Simple Calculator" id="calcPageBlock">

<apex: pageBlockSection columns -"2">

<apex: inputText label="Number 1" value="(! num1}" required="true"/>

<apex: inputText label="Number 2" value="(! num2)" required="true"/>

<apex: selectList value-"(!operation)" label-"Operation” size-"1">

<apex: selectOptions value="(!operations)"/>

</apex:seIectList>

<apex:commandButton action="(!caIcuIate)" value="Calculate" rerender="resuItBIock"/>

<apex:commandButton action="(!cIear)" vaIue="CIear"

rerender=”resuItBIock"/>

</apex: pageBlockSection >

<apex: pageBlockSection title="Result" id="resuItBIock">

<apex:outputText value-"Result: (!result)"

rendered="(! NOT(ISNULL(result))}"/>

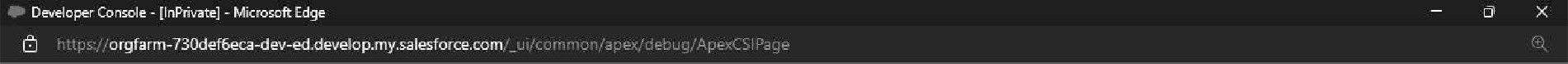
<apex:outputText value="Error: Cannot divide by zero" rendered -"(!ISNULL(result) && operation = - 'divide’ && num2 = = 0)"/>

</apex: pageBlockSection >

</apex: pageBlock >

</apex:form >

</apex: page>



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\* puolzc class Atharva {

public Decimal numl ( get; set; } public Decimal num2 ( get; set; } public Decimal result ( get; set; } public String operation ( get; set; }

public List‹SelectOption› operations { get; set; )

/ / COnst ru ct or

* public Atharva( ) (

num1 = 8;

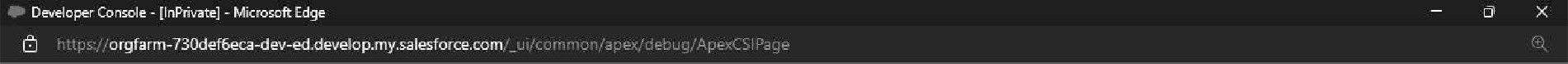
num2 =B;

•esult: B; operation = ";

operat ions = new Li st‹SeIectOption› () ;

oper at ions . add (new 5elec toption( ' ' , ' Select Openat i on ' ) ) ; operations . add (new Selectoptiori( ' add ' , ' Ad dition ' ) ) ;

open at ions . add (new Selectoption( ' subtra ct ' , ' Subt oa ct ion ' ) ) ; open at ions . add (new Sefee toption( ' multiply ' , ' Cult i pli cation ' ) ) ; operations . add (new S electoptiori( ' divide ' , 'Oiv i sion ' ) ) ;



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* ‹ ape x : -Form i d="ca1cut atorFo°m" >
* ‹ apex: pageB Zoek tit Ie=”S inpI e Ca1cu1ator" id="ca1cPageB1oc k" ›
* ‹apex:pageBlockSection columns=“2“›

‹apex:inputText label="Number l" value="(!num1}“ reOuired="true™/›

<apex:inputText label="Number 2" value="(!num2}“ reOuired="t ue™/>

‹apex:selectList value="(!operation}“ label=“Operation“ size=“1“>

‹ apex: sele c toption s value=”( ! oper ati on s}"/ >

</apex:selectList›

‹apex:commandButtou action=“(!calculate}” value=”Calculate" rerender=“resultBlock“/›

‹apex:commandButtou action=“{!clear}“ value=“Clear“ erender=“resultBlock“/›

‹/apex:page8lockSection>

* ‹ ape x : pageB1ocksec t ian tit Ie="Res użI" id="resu1tBMoc k"›

‹apex:outputText value="Result: {!result}" rendered=“(!NOT(ISNUlL(result))}"/›

‹ ap ex: outputText value=" E°ror : Cannot divide by ze°o™ re ndered="{ ! ISNULL( re su1t ) && oper at żon == ' divz

‹/ap ex : pageBlockse ct źon>

</apex: p ageB1oc k›

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/apex:p age›

