lab Program 10. Write a Program that creates a wes interface to perform integer divisions. The user enters two numbers in the Fent tields Jum! & num? The division of num! & num? is displayed in the result field when the divide button is clicked. If num 1 & num 2 vere not an enteger, the program would throw a number format exception. If Nume were zero, the program would throw an Arthmetic Exception Display the exception en a nierage d'alog bon, > import java.ant. inport java, ant, event, &; clais Dialogbox entends Frame inflements Intointion Did; Dialogbon (France parent, String title) { Super (farent, title, true); id= (Int Division D) parent; Setlayout (new Flow) ayout ());
set Size (300, 300);
add (new Labele (id-ned));
Button hi Button bi add (b=new Button ("OK")) 2 biadd Action Listener (His); public void action Performed (action Event die acres): ae) ? dispose();

Public clay Int Division De entends Frame 2 Tentfield num!, num 2, roult; Steing ges, mgg; String eres, meg; button div; Public Int Division () { set(ayout(new Flowlayout())) div= new Button ('Divide'); Lable numb = new Label ("Number 1 Lable numb = new Lakel ("Number 2:" rest= new Lakel RIGHT); num 1=new Tentfield (5); Label (Result rum 2 = new Tentfield (5); : "Label, grewelt = new Tentfield (10); RIGHT); add (numa); add (div); add (numb); add (num 2); add (res 1); add (regult); num 1-add of ction listener (this); rum 2 add Action (stener (this); divadtation Listener (this); gresult, add & chion Listener (this); add Window Listener (new Window Adapter 3 public void Window Closing ¿ System enit(o); } public void action externed (Actiont vent ae) ? String S-ac. Deget Action Command (); it(s. equals ("Divide")) { result set Tent (divide()); String divide () {

int n/n2, n=0; n 1= Integer, parse Int (num!, get Text ()); n2= Integer, parse Int (num2, get Tent()); Catch & (Number Formett Deptien rfe) &

neg = "entered numbers must be entegers";

Dialog Box d = new Dialog Bom (Hris, "Dialog");

d. Set Visible (true); n [= Integer . Pare Int (rum), get Tent()); n 2 = Integer . Parce Int (rum 2 get Tent()); if (n 2 == 0) { nig=cannot divide a number by 0");
DialogBox d-new DialogBox (His, "Dialog);
d. get partie ble (Here);

Seturn ""; res = Double, to String(n); return res; Public Static void main (String augs [3) {

IntDivision D intdiv= new IntDivision D() Intdiv 38+ Size(new Vinension (380,180)) Int div. set Title ("Text Field Demo"); intdiv. set Visible (true); 3