Lab - 9

Write a program that creates a user interface to
program integer divisions. The user enter two numbers
in the text fields, Num1 and Num2. The division of
Num1 and Num 2 is displayed in the Result field when
the Divide button is clicked if Num1 or Num2 were not
an integer, the program would throw a number
FormatException. If Num2 was zero, the program
would throw an arithmetic exception Display the
exception in a message display box.

```
class yen <T>
{T ob1, ob2;
  yen(T o1, T o2)
  { ob1 = o1;
    ob2 = o2;
  }

  T getob1()
  {return ob1;
  }

  T getob2()
  {return ob1;
  }

  Tvoid showdata()
  { if (ob1 instance of e Double)
      {double d1 = (double) getob1(), d2=double
                                      getob2();
        return(T) new Double(d1+ob2);
      }
```

```java
        else if (obl instance of Integer)
        { int d1 = (int) getobl(), d2 = (int) getob2();
          return (T) new Integer (d1+d2);
        }

        else if (obl instance of String)
        { String s1 = (String) getobl(), s2 = (String) getob2();
          return (T) new String (s1+r2);
        }

        else
        { System.out.println ("Type "+obl.getbss ()+" not
                                supported by this method");
          return (T) new String (-1);
        }
    }
}

class proj
{ public static void main (String args[])
    { pabtie yen <Integer> obj1 = new yen <Integer> (2, 1);
      obj1. showdata ();
      System.out. println ("Sum: "+obj1.sum ());
      yen <double> obj2 = new yen <Double> (4.5, 3.2);
      obj2. showdata ();
      System.out. println ("Sum: "+obj2.sum ());
      yen <String> obj3 = new yen <String> ("foot", "ball");
      obj3. showdata ();
      System.out. println ("Sum: "+obj3.sum ());
    }
}
```