## LAB PROGRAM 5

QUESTION: Write a program that creates a user interface to perform integer divisions. The user enters two numbers in the text fields, Num1 and Num2. The division of Num1 and Num2 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 NumberFormatException. If Num2 were Zero, the program would throw an Arithmetic Exception Display the exception in a message dialog box.

## **CODE:**

```
import java.util.*;
class FatherAgeException extends Exception
     public String toString()
          return(" Father's Age cannot be negative");
class SonnAgeException extends Exception
     public String toString()
          return(" Son's Age cannot be negative");
     }
class SonAgeException extends Exception
     public String toString()
          return(" Son's age is more than father's age");
}
```

```
class Father
     int age;
     Father(int age)
          this.age = age;
     void ThrowingFather()
          try
          {
                if(age < 0)
                {
                     throw new FatherAgeException();
          catch (FatherAgeException e)
                System.out.println(e);
          }
     }
}
class Son extends Father
{
     int sage;
     Son(int fage,int sage)
       super(fage);
          this.sage = sage;
```

```
void ThrowSon()
     try
          if(sage < 0)
               throw new SonnAgeException();
     catch (SonnAgeException e)
     {
          System.out.println(e);
     }
void ThrowingSon()
     try
          if(sage > age)
               throw new SonAgeException();
     catch (SonAgeException e)
          System.out.println(e);
     }
}
```

}

## **WRITTEN CODE**

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catch (sonnage Esception e) Theronomy Son long 4

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## **OUTPUT**

