**//use of** getMessage(),getCause(),toString()and //printStackTrace()

**class** TestEx{

**public** **void** div(**int** num1,**int** num2) {

**try** {

System.out.println(num1/num2);

}

**catch**(ArithmeticException ae) {

System.out.println("getMessage: "+ae.getMessage());

System.out.println("getCause: "+ae.getCause());

System.out.println("toString: "+ae.toString());

System.out.println("printStackTrace: ");

ae.printStackTrace());

}}

}

**public** **class** Test123 {

**public** **static** **void** main(String[] args) {

TestEx t =**new** TestEx();

t.div(4,0);

}

}

**//chained exception**

**import** java.io.\*;

**public** **class** Test123 {

**public** **static** **void** main(String[] args) {

**try** {

ArithmeticException ae=**new** ArithmeticException("Exception");

ae.initCause(**new** IOException(" This is the actual cause of exception"));

**throw** ae;

}**catch**(ArithmeticException ae) {

System.***out***.println(ae);

System.***out***.println(ae.getCause());

}

}

}