EXCEPTION HANDLING :

**package** expectionhandling17;

**public** **class** ExceptionHandling {

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

**int** num1,num2,num3;

num1=40;

num2=20;

**try**{

num3 = num1/num2;

System.***out***.println("Result is "+num3);

}

**catch**(ArithmeticException ae){ // child

System.***out***.println("Numbers cannot be divided by zero");

}

**catch**(Exception ae1) // parent

{

System.***out***.println("i am before the subclass exception");

}

**finally**

{

System.***out***.println(" this block will always executed");

}

num3=num1+num2; // normal flow after catching exception

System.***out***.println("Result after addition is "+num3);

}

}