5. Writing a program in Java to throws, throw, finally, and custom exceptions in Java

package Phase\_One;

//Custom Exception

class MyExceptionHandling extends Exception {

public MyExceptionHandling(String message) {

super(message);

}

}

public class ExceptionHandling

{

public static void main(String[] args)

{

try

{

// custom exception

throwCustomException();

int result = divide(10, 0);

}

// catch arithmetic Exception

catch (ArithmeticException e)

{

System.out.println("ArithmeticException: " + e.getMessage());

}

// catch Custom Exception

catch (MyExceptionHandling e)

{

System.out.println("Custom Exception: " + e.getMessage());

}

// run finally block , finally block is not a mandatory to used the program

finally

{

System.out.println("Finally block executed.");

}

}

static void throwCustomException() throws MyExceptionHandling

{

// throws an Custom exception

throw new MyExceptionHandling("Custom exception is run ");

}

// throws an Arithmetic Exception

static int divide(int a, int b) {

return a / b;

}

}

Output

Custom Exception: Custom exception is run

Finally block executed.