**Exception handling Assignment**

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1. Write a small piece of code which shows simple usage of try catch block with throw and throws keyword .

**import** java.util.\*;

**public** **class** ExceptionQues1 {

**public** **static** **void** check(**int** no,**int** no1) **throws** ArithmeticException {

**if** (no1==0) {

**throw** **new** ArithmeticException("Number cannot be zero");

}

**else**{

System.***out***.println(no/no1);

}

}

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

Scanner sc = **new** Scanner(System.***in***);

**try**{

**int** no = sc.nextInt();

**int** no1 = sc.nextInt();

*check*(no,no1);

}

**catch**(ArithmeticException e){

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

}

}

}

**Outputs-**

Graphical user interface, text, application, email

Description automatically generated

Graphical user interface, text, application

Description automatically generated

**2. Write code to throw a custom exception when entered number is greater than 100 or less than 0**

**import** java.util.\*;

**class** ExceptionClass **extends** Exception{

**public** String getMessage() {

**return** "Number is less than 0 or greater than 100";

}

}

**public** **class** ExceptionQues2{

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

System.***out***.println("Enter number: ");

Scanner sc= **new** Scanner(System.***in***);

**int** a=sc.nextInt();

**if**(a < 0 || a > 100){

**try**{

**throw** **new** ExceptionClass();

}

**catch**(ExceptionClass e){

System.***out***.println(e.getMessage());

}

}

**else**{

System.***out***.println("Number is between 0 to 100");

}

}

}

**Outputs-**

Graphical user interface, text, application, email

Description automatically generated

**3. Write code to demonstrate chained exceptions.**

**public** **class** ExceptionQues3{

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

**try** {

*met1*();

}

**catch**(Exception exception) {

exception.printStackTrace();

}

}

**public** **static** **void** met1() **throws** Exception{

**try** {

*met2*();

}

**catch**(Exception exception) {

**throw** **new** Exception("Exception thrown in method1"+exception);

}

}

**public** **static** **void** met2() **throws** Exception{

**try** {

*met3*();

}

**catch**(Exception exception) {

**throw** **new** Exception("Exception thrown in method2"+exception);

}

}

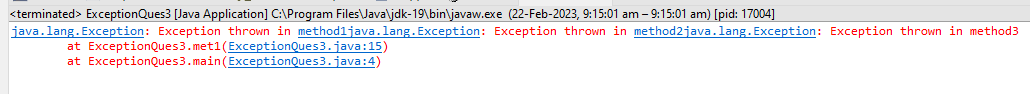
**public** **static** **void** met3() **throws** Exception{

**throw** **new** Exception("Exception thrown in method3");

}

}

**Outputs-**

****

**Assignment by-**

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