Part - 4

```
WAP to show the try - catch block to catch the different types of exception.
Question
Code:
           Output:
             \practicalfile_part_4 question1
            java.lang.ArithmeticException: / by zero
Question
           WAP to generate user defined exception using "throw" and "throws" keyword
2
Code:
           Using throw keyword:
            oublic class TestThrowAndThrows
           Using throws keyword:
              using throws
```

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```
Output:
            Of throw
              \practicalfile_part_4 TestThrowAndThrows
             Exception in thread "main" java.lang
              .ArithmeticException Create breakpoint : you are not mature!
                  at TestThrowAndThrows.checkage(TestThrowAndThrows.java:8)
                  at TestThrowAndThrows.main(TestThrowAndThrows.java:16)
            Of throws
              \\\practicalfile_part_4 Throwsexample
              .ArithmeticException Create breakpoint : you are not mature!
                 at Throwsexample.checkage(<a href="https://recharge.java.5">Throwsexample.java.5</a>)
                 at Throwsexample.main(<u>Throwsexample.java:12</u>)
            Write a program that raises two exceptions. Specify two 'catch' clauses for the
Question
            two exceptions. Each 'catch' block handles a different type of exception. For
3
            example the exception could be 'ArithmeticException' and
            'ArrayIndexOutOfBoundsException'. Display a message in the 'finally' block.
Code:
```

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```
System.out.println("main Exception occurs");
}
System.out.println("end of the code");
}

Output:
C:\Users\kalp\practicalfile_part_4\out\production
\practicalfile_part_4 MultipleCatchBlock1
Arithmetic Exception occurs
end of the code
```