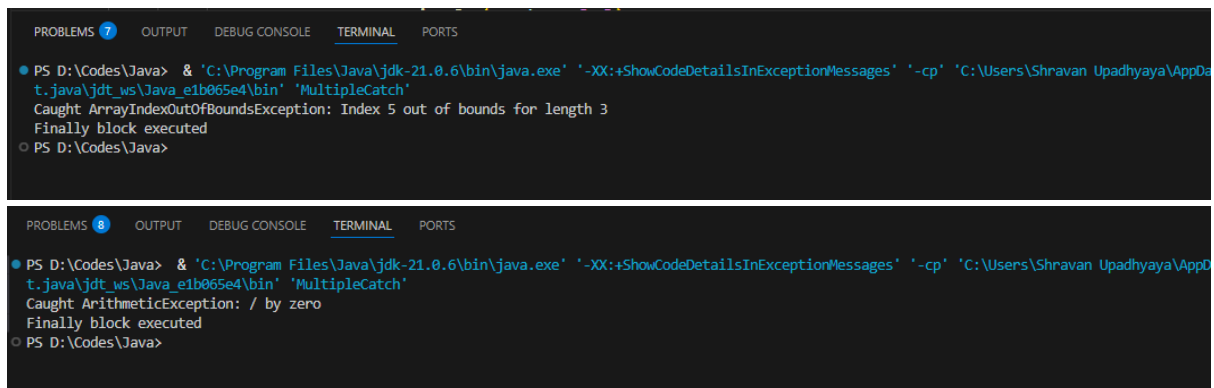


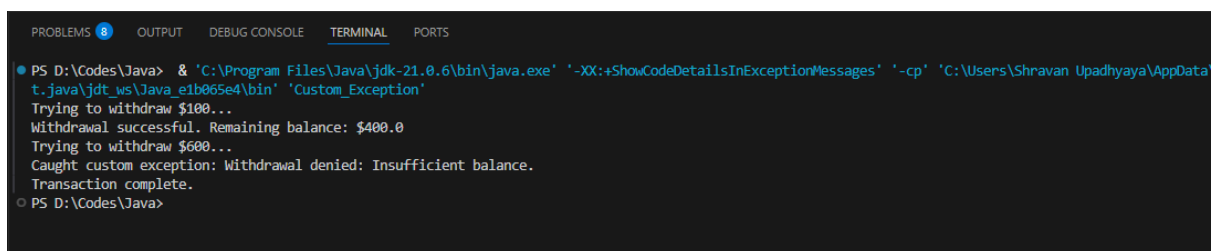
Try- multiple catch block



The first screenshot shows a Java program running in a terminal. The command executed is `PS D:\Codes\Java> & 'C:\Program Files\Java\jdk-21.0.6\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Shravan Upadhyaya\AppData\Local\Programs\Java\jdk-21.0.6\bin\redhat.java\jdt_ws\Java_e1b065e4\bin' 'MultipleCatch'`. The output shows an `ArrayIndexOutOfBoundsException: Index 5 out of bounds for length 3` and a message `Finally block executed`.

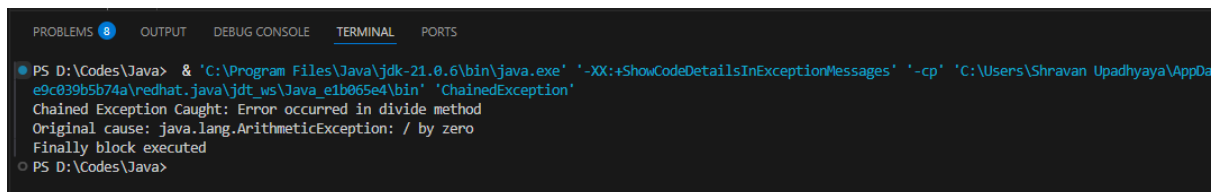
The second screenshot shows the same Java program running in a terminal. The command executed is `PS D:\Codes\Java> & 'C:\Program Files\Java\jdk-21.0.6\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Shravan Upadhyaya\AppData\Local\Programs\Java\jdk-21.0.6\bin\redhat.java\jdt_ws\Java_e1b065e4\bin' 'MultipleCatch'`. The output shows an `ArithmeticException: / by zero` and a message `Finally block executed`.

Custom exception



The screenshot shows a Java program running in a terminal. The command executed is `PS D:\Codes\Java> & 'C:\Program Files\Java\jdk-21.0.6\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Shravan Upadhyaya\AppData\Local\Programs\Java\jdk-21.0.6\bin\redhat.java\jdt_ws\Java_e1b065e4\bin' 'Custom_Exception'`. The output shows `Trying to withdraw $100...`, `Withdrawal successful. Remaining balance: $400.0`, `Trying to withdraw $600...`, `Caught custom exception: Withdrawal denied: Insufficient balance.`, and `Transaction complete.`

Chained exceptions



The screenshot shows a Java program running in a terminal. The command executed is `PS D:\Codes\Java> & 'C:\Program Files\Java\jdk-21.0.6\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Shravan Upadhyaya\AppData\Local\Programs\Java\jdk-21.0.6\bin\redhat.java\jdt_ws\Java_e1b065e4\bin' 'ChainedException'`. The output shows `Chained Exception Caught: Error occurred in divide method`, `Original cause: java.lang.ArithmeticException: / by zero`, and `Finally block executed`.