

INPUT/OUTPUT AND ERROR HANDLING

EC 5080

SOFTWARE CONSTRUCTION

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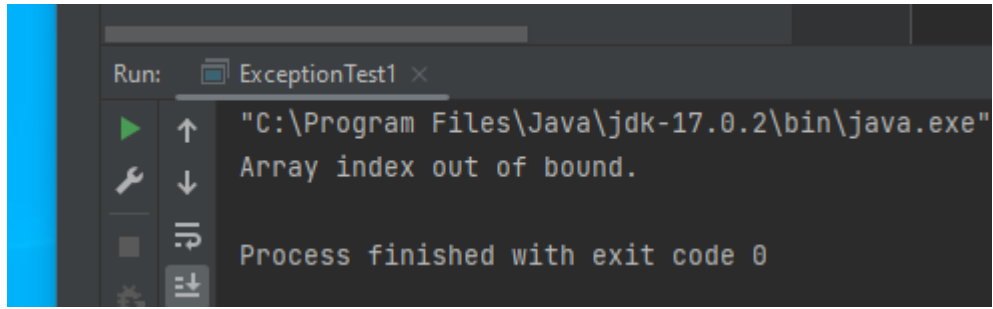
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QUESTION 01

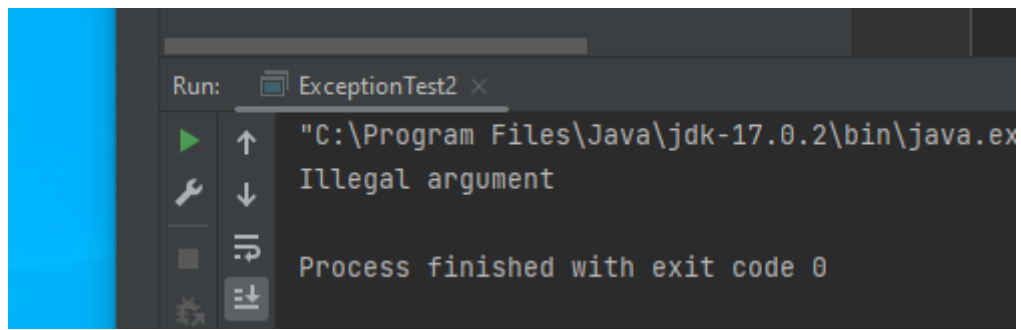
PART 01



A screenshot of an IDE's Run console window. The title bar shows 'Run: ExceptionTest1 x'. The console output displays the command '"C:\Program Files\Java\jdk-17.0.2\bin\java.exe"' followed by the exception message 'Array index out of bound.' and 'Process finished with exit code 0'. On the left side of the console, there is a vertical toolbar with icons for running, stepping through, and other debugging actions.

```
Run: ExceptionTest1 x
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe"
Array index out of bound.
Process finished with exit code 0
```

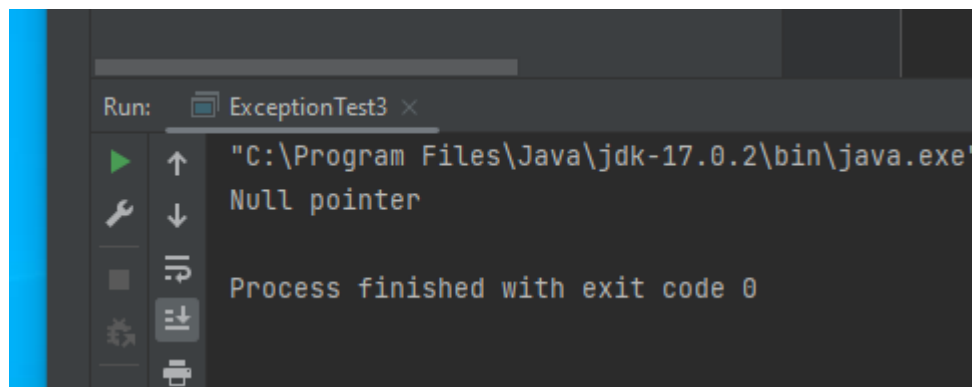
FIGURE 01 – ArrayIndexOutOfBoundsException OUTPUT



A screenshot of an IDE's Run console window. The title bar shows 'Run: ExceptionTest2 x'. The console output displays the command '"C:\Program Files\Java\jdk-17.0.2\bin\java.exe"' followed by the exception message 'Illegal argument' and 'Process finished with exit code 0'. The left sidebar contains the same debugging toolbar as the previous figure.

```
Run: ExceptionTest2 x
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe"
Illegal argument
Process finished with exit code 0
```

FIGURE 02 – IllegalArgumentException OUTPUT



A screenshot of an IDE's Run console window. The title bar shows 'Run: ExceptionTest3 x'. The console output displays the command '"C:\Program Files\Java\jdk-17.0.2\bin\java.exe"' followed by the exception message 'Null pointer' and 'Process finished with exit code 0'. The left sidebar contains the same debugging toolbar as the previous figures.

```
Run: ExceptionTest3 x
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe"
Null pointer
Process finished with exit code 0
```

FIGURE 03 – NullPointerException OUTPUT