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daban@Dellitso MINGW64 /d/school/CCNY-CSC10300-IntroToComputing/ProjectFive
$ g++ checkedArray.cpp

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$ ./a.exe
*****TESTING CHECKED ARRAY ACCESS*****
---Testing Construction of checked arrays with size parameter
Passed construction with size parameter test
double checkedArray size: 5| int checkedArray size: 5| string checkedArray size: 5
---Current test benches:
doubles: 0.5 1 1.5 2 2.5
ints: 10 20 30 40 50
strings: audi bmw toyota lexus benz

---Filling checked arrays with test bench values (types: double, string, and int)
Passed array filling test with proper indexes
---Filled Checked Arrays:
doubles: 0.5 1 1.5 2 2.5
ints: 10 20 30 40 50
strings: audi bmw toyota lexus benz

*****TESTING CHECKED ARRAY ACCESS EXCEPTION HANDLING*****
Testing: ArrayOutOfRangeException
Invalid index used: -1
ArrayOutOfRangeException: Accessed Invalid Index!
```

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*****TESTING CHECKED ARRAY ACCESS EXCEPTION HANDLING*****
Testing: ArrayOutOfRangeException
Invalid index used: 7
ArrayOutOfRangeException: Accessed Invalid Index!
```

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*****TESTING CHECKED ARRAY ACCESS EXCEPTION HANDLING*****
Testing: ArrayOutOfRangeException
Invalid index used: -2
ArrayOutOfRangeException:
Invalid Index (illegal Index: -2, array size: 5)
```

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*****TESTING CHECKED ARRAY ACCESS EXCEPTION HANDLING*****
Testing: ArrayOutOfRangeException
Invalid index used: 10
ArrayOutOfRangeException:
Invalid Index (illegal Index: 10, array size: 5)
```

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*****TESTING CHECKED ARRAY ACCESS EXCEPTION HANDLING*****
Testing: out_of_range
Invalid index used: 6
out_of_range: Accessed Invalid Index!

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$
```

