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Tibbo@TIBBO MINGW64 ~/Documents/Java Projects/QAP2 (main)
$ java Problem1.TestMyLine
● Line 1: MyLine[begin=(1,2), end=(4,6)]
Length of Line 1: 5.0
Gradient of Line 1: 0.9272952180016122
Line 2: MyLine[begin=(2,3), end=(5,9)]
Length of Line 2: 6.708203932499369
Gradient of Line 2: 1.1071487177940904
Modified Line 2: MyLine[begin=(1,1), end=(4,5)]
Length of Modified Line 2: 5.0
Gradient of Modified Line 2: 0.9272952180016122
```

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Tibbo@TIBBO MINGW64 ~/Documents/Java Projects/QAP2 (main)
$ java Problem2.TestMyRectangle
● Rectangle 1: MyRectangle[topLeft=(1,4), bottomRight=(5,1), width=4, height=3]
Area of Rectangle 1: 12
Perimeter of Rectangle 1: 14
Rectangle 2: MyRectangle[topLeft=(2,6), bottomRight=(8,3), width=6, height=3]
Area of Rectangle 2: 18
Perimeter of Rectangle 2: 18
Modified Rectangle 2: MyRectangle[topLeft=(0,7), bottomRight=(6,2), width=6, height=5]
Area of Modified Rectangle 2: 30
Perimeter of Modified Rectangle 2: 22
```

```
Tibbo@TIBBO MINGW64 ~/Documents/Java Projects/QAP2 (main)
$ java Problem3.CreditCardDemo
● Diane Christie, 237J Harvey Hall, Menomonie, WI 54751
Balance: $0.00
Credit Limit: $1000.00

Attempt to charge $200.00
Balance: $200.00

Attempt to charge $10.02
Balance: $210.02

Attempt to pay $25.00
Balance: $185.02

Attempt to charge $990.00
Exceeds credit limit.
Balance: $185.02
```