

TESTCASES

Counting Inversions

Positive:

1)

```
Enter 5 integers: 85 44| 20 65 63  
Number of inversions: 6
```

2)

```
Enter 5 integers: 12 65 34 423 78  
Number of inversions: 2
```

3)

```
Enter 5 integers: 9 8 7 6 5 4  
Number of inversions: 10
```

4)

```
Enter 5 integers: 123 643 237 43 23  
Number of inversions: 8
```

5)

```
Enter 5 integers: 34 75 34 87 12  
Number of inversions: 5
```

Negative:

1)

```
Enter 5 integers: av 3 4 5 6
ERROR!
Error: Invalid input. Please enter an integer.
```

2)

```
Enter 5 integers: -1 3 53 6 4
Number of inversions: 3
```

3)

```
Enter 5 integers: 34 a b 5 3
ERROR!
Error: Invalid input. Please enter an integer.
```

4)

```
Enter 5 integers: -1 -2 -3 4- 5ERROR!

Error: Invalid input. Please enter an integer.
```

5)

```
Enter 5 integers: 1 2 3 4 5 6
Number of inversions: 0
```

Integer Multiplication

Positive:

1)

```
Enter first integer: 12  
Enter second integer: 32  
Product: 384
```

2)

```
Enter first integer: 123455  
Enter second integer: 234567  
Product: 2147483647
```

3)

```
Enter first integer: 634532  
Enter second integer: 53423  
Product: 2147483647
```

4)

```
57 addit/Desktop/c++ IntegerMult  
Enter first integer: 0  
Enter second integer: 1235364355643  
Product: 0
```

5)

```
57 addit/Desktop/c++ IntegerMult  
Enter first integer: 235321235  
Enter second integer: 56465464634  
Product: 2147483647
```

6)

```
57 addit/Desktop/c++ IntegerMult  
Enter first integer: 3453453  
Enter second integer: 345345  
Product: 2147483647
```

Negative:

1)

```
s/aadit/Desktop/C++/"integermult  
Enter first integer: 1.1  
Enter second integer: Product: 0
```

2)

```
s/aadit/Desktop/C++/"integermult  
Enter first integer: -1  
Enter second integer: 23  
Product: -23
```

3)

```
s/aadit/Desktop/C++/"integermult  
Enter first integer: 0.9  
Enter second integer: Product: 0
```

4)

```
s/aadit/Desktop/C++/"integermult  
Enter first integer: 0  
Enter second integer: ad  
Product: 0
```

5)

```
s/aadit/Desktop/C++/"integermult  
Enter first integer: -1  
Enter second integer: -36543634  
Product: 36543634
```