420-B31

Lab 10 Answers

Name:

## Give the base case and recursive case for a recursive method, **printOdds(int n)** that prints all the odd numbers between 1 and n.

***Answer:***

|  |  |
| --- | --- |
| Base Case: n == 1  Print 1  return | n <= 0  IllegalArgumentException |
| Recursive Case: n >= 0  print n if n%2 = 0 |  |

## Give the base case and recursive case for a recursive method, **calcProduct(int m, int n)** that uses recursion to find the product of m \* n.

***Answer:***

|  |  |
| --- | --- |
| Base Case: n <= 0  IllegalArgumentExcpetion | n == 1  return m + 0 |
| Recursive Case: n > 1  return m + calcProd(m, --n) |  |