

```

module Sample_Tests
( testAll
) where

import           Haskell_Mini_Project

testAll = testPrefix1 && testPrefix2 && testPrefix3
         && testReduce1 && testReduce2
         && testScatter1 && testScatter2
         && testGather1 && testGather2

testPrefix1 = (prefix (+) [2,4,1,1]) == [2,6,7,8]
testPrefix2 = (prefix (+) [0,2,-3,4,-5]) == [0,2,-1,3,-2]
testPrefix3 = (prefix max [2,3,1,1]) == [2,3,3,3]
testReduce1 = (reduce (max) 3 [4,2,5,1]) == 5
testReduce2 = (reduce (+) 3 [4,2,5,1]) == 15
testScatter1 = (scatter 3 [1,2,3,4,5,6,7]) == [(0,[1,4,7]),(1,[2,5]),(2,[3,6])]
testScatter2 = (scatter 5 ["ab","2","def","4"])
               == [(0,["ab"]), (1,["2"]), (2,["def"]), (3,["4"]), (4,[])]
testGather1 = (gather [(0,[True,True]),(1,[True,False]),(2,[False,True])])
              == (3,[True,True,True,False,False,True])
testGather2 = (gather [(0,[1,4,7]),(1,[2,5]),(2,[3,6])]) == (3,[1,4,7,2,5,3,6])

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