Find the Primes between the range of two numbers and the count of those primes

```
import scala.util.control.Breaks._
import scala.math.sqrt

object PrimesRangesInNumbers extends  App {
 def isPrime(n:Int):Boolean={
   if(n==2){
     return true
   }
   if(n==1){
     return false
   }
   var x = sqrt(n).toInt+1
   var count =0
   breakable{
     for(i<-2 to x){
       if(n%i==0){
         count+=1
         break
       }
     }
   }

   if(count!=1){
     return true
   }
   else{
     return false
   }
 }
 try{
   while(true){
     var primeCount =0
     print("Enter Start Number : \n")
     var start = scala.io.StdIn.readInt()
     print("Enter End Number : \n")
     var end = scala.io.StdIn.readInt()
     if(start<=end && start>=1 && end>=1){
```

```
        for(i<- start to end){
          var prime = isPrime(i)
          if(prime==true){
            print(i+",")
            primeCount+=1
          }
        }
      }
      else{
        throw new Exception
      }
      println()
      print("Number of Primes between "+start+ " and "+end +" =
"+primeCount)
      println()
    }
  }
  catch{
    case e:NumberFormatException => println("..... Program
terminated .....")
    case e:Exception => println("start number is greater than end
number\n" +
      "..... Program terminated .....")
  }
}
```

Output :

```
Test1 :
Enter Start Number :
1
Enter End Number :
100
2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,83,89
,97,
Number of Primes between 1 and 100 = 25

Test2 :
Enter Start Number :
1
Enter End Number :
1000
```

```
2,3,5,7,11,13,17,19,23,29,31,37,41,43,47,53,59,61,67,71,73,79,83,89
,97,101,103,107,109,113,127,131,137,139,149,151,157,163,167,173,179
,181,191,193,197,199,211,223,227,229,233,239,241,251,257,263,269,27
1,277,281,283,293,307,311,313,317,331,337,347,349,353,359,367,373,3
79,383,389,397,401,409,419,421,431,433,439,443,449,457,461,463,467,
479,487,491,499,503,509,521,523,541,547,557,563,569,571,577,587,593
,599,601,607,613,617,619,631,641,643,647,653,659,661,673,677,683,69
1,701,709,719,727,733,739,743,751,757,761,769,773,787,797,809,811,8
21,823,827,829,839,853,857,859,863,877,881,883,887,907,911,919,929,
937,941,947,953,967,971,977,983,991,997,
Number of Primes between 1 and 1000 = 168


Test3:
Enter Start Number :
-1
Enter End Number :
-100
start number is greater than end number
..... Program terminated .....

Test4:
Enter Start Number :
-100
Enter End Number :
-1
start number is greater than end number
..... Program terminated .....

Test5:
Enter Start Number :
10
Enter End Number :
2
start number is greater than end number
..... Program terminated .....
```