```java
public class Solution {
public static void main(String[] args) {
                BigInteger sum = new BigInteger("2");
    boolean isPrime = true;
    for (int i=3; i<2000000; i++) {
    double aa = Math.sqrt((double)i);
        for (int j=2; j<=aa; j++){
          if (i % j == 0){
            isPrime = false;
            break;
          }
        }
        if(isPrime){
          sum = sum.add(BigInteger.valueOf(i));
        }
        isPrime = true;
    }
    System.out.println("Sum  = "+sum);
}
}
```