1) What are the return types of the sumAll methods?

The first sumAll method returned a long type and the second sumAll returns a long type from an array.

2) What relation must be true between lengths of arr and max for the second version of sumAll to work correctly?

The length of the array must be as long as or longer than the max for the second version.

3) What are the return types of the squareSum methods?

The squareSum returns a long and the second squareSum returns a long array.

4) What is the use of init(arr) call before calling squareSum(arr, 5)?

The init(arr) call initializes how long the array is.

5) What are the return types of the fib methods?

The fib method returns a long and a long array.

6) Why does Fibonacci output start at 2?

If you start at 0 or 1 it will mess with the other numbers and return a 0.

7) What are the return types of the factorial methods?

The factorial method returns a long and a long array

8) Why does Factorial output start at 2?

If you start at 0 or 1 it will mess with the other numbers and return a 0.

9) Why is long[] arr = new long[MAXSIZE]; declared as an array of longs?

Integer arrays only go up to 32767 long arrays can go up a bit longer.

10) Change MAXSIZE to 10. Does everything still work? If not, how can you fix it?

It does not work it only works for the first 10 times. You can probably use init(arr) before squareSum(20).