```
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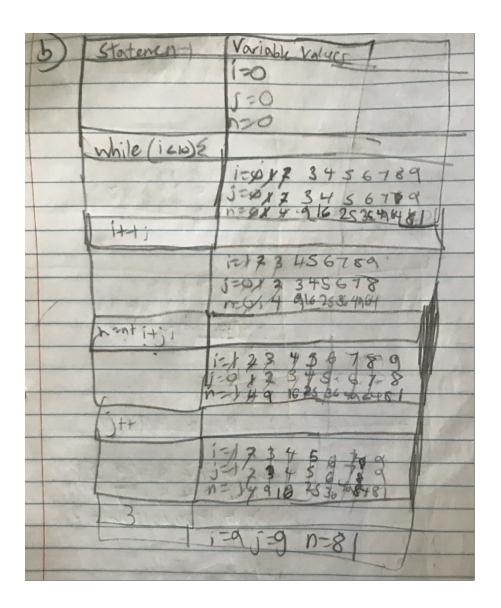
Homework 2

01 September 2021

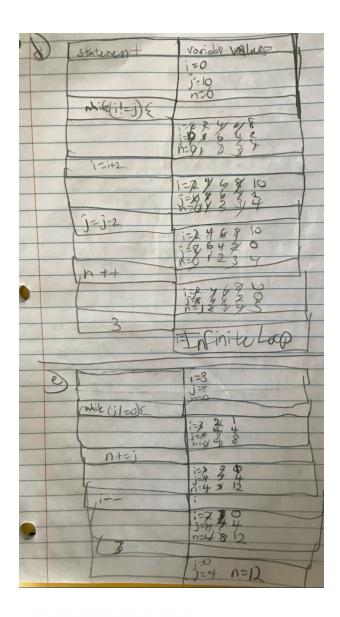
```
//1a
   int count = 0;
   while (count * count < n) {</pre>
       System.out.println(count * count);
       count++;
   }
   //1b
   int divByTen = 1;
   while (divByTen < n) {</pre>
       if (divByTen % 10 == 0) {
            System.out.println(divByTen);
       divByTen++;
   }
   //1c
   int powTwo = 0;
   while (Math.pow(2, powTwo) < n) {</pre>
       System.out.println((int) Math.pow(2, powTwo));
       powTwo++;
   }
1)
```

2)0)	Statement	Variable Values
20		100
de	1	150
7	1	100
	111/1/	1,20
1	while (ic) &	424
		1130/18/27
	78	1200 1234
	i.t.	10501 7
	1++;	i=1 2345
		1=109875
A PAR		501334
	j;	1,20/10/05/06/06/06
	13	1.60 \$ 400
		1212 4 6/63
		1-6 1-84
	T n++	Pover
	1	12123
		10 2 3 4 3 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	13	
		is juns

2)



c) Statement	Variable value
	1=109376
	j=0
3 (oci) sidu	
	5=0 1 2 3 4 5 6 7 8 8 18 18 18 18 18 18 18 18 18 18 18 18
1;	M20 814
	600
	1=9 8 7 6 5 4 3 P 1 1=0 1 2 3 4 5 8 1 5 1=0 18 14 16 20 18 16 10
j++	18 140 -0 2010 G
	1=9 8 7 5 5 4 3 2 1 J=1 2 3 4 5 6 7 8 9 1=0 8 141820 20181610
(n=n+i-j	N=0 8 147820 2018 16 10
	1=97654321
1	1=9 97654321 5=1 23456789 1=8 141826201816162
3	
	1=1 1=2 1=2
	1257



```
//3
int i = 1, s = 0;
while (i<=10) {
    s = s + 1;
    i++;
}</pre>
```

```
//4
   int count1 = 0;
   double temp = 0;
   while (count1 < n+1) {</pre>
       temp = ((Math.pow(-1, count1)) / (2 * count1 + 1));
   }
  pi = 4 * temp;
   //5
   int sum = 0;
   for (int i1 = 1; i1 < n+1; i1++) {
       if (i1 * i1 < areaBound) {
           for (int j = 1; j < n+1; j++) {
                if (j * j < areaBound) {
                    sum = sum + (i1*i1 + j*j);
                }
           }
       }
5) }
```