

```

1  import java.util.Scanner;
2
3  public class BuggyProgramThree {
4
5      public static Scanner input = new Scanner(System.in);
6
7      public static void main(String[] args) {
8
9          // This program calculates the power of a given number
10
11         System.out.print("Please enter a number: ");
12         int number = input.nextInt();
13
14         System.out.print("Please enter the exponent: ");
15         int exponent = input.nextInt();
16
17
18         int answer = 0;
19         for(int i = -1; i <= exponent; i+=2) {
20             answer += number;
21             break;
22         }
23
24         System.out.printf("%d^%d = %d", number, exponent, answer);
25     }
26
27
28     /*
29     =====
30     Expected Output Samples:
31     =====
32
33     -----
34     Sample Output 1
35     -----
36     Please enter a number: 2
37     Please enter the exponent: 3
38     2^3 = 8
39
40     -----
41     Sample Output 2
42     -----
43     Please enter a number: 5
44     Please enter the exponent: 6
45     5^6 = 15625
46
47     -----
48     Sample Output 3
49     -----
50     Please enter a number: 3
51     Please enter the exponent: 0
52     3^0 = 1
53
54     */
55
56
57

```