Charlson So

CS 130

1.

public class FindTheError{

public static void main(String[] args){

myMethod(0);

}

public static void myMethod(int num){

**if (num==100){**

**}**

else{

System.out.print(num+” “);

myMethod(num+1);

}

}

}

The recursive method will not terminate because there is no base case. The added if statement should terminate at 100.

2. Algorithm Workbench 3

prints 10 since the recursive function’s base case terminates at 10.

3. Algorithm Workbench 5

prints 55. Adds the numbers 1-10.

4. Algorithm Workbench 6

public static void no(int num){

if(num==0){

}

else{

System.out.println("No Parking");

no(num-1);

}

}

5. maxEleement Method #4

public class findTheError{

public static void main(String[] args){

int a[]={1,2,3,4,5,6,7,8};

int b = a.length;

large(a,b-1,0);

}

public static void large(int a[], int s, int k){

if(s==-1){

System.out.println("largest num in the array is"+ Integer.toString(k));

}

else{

if(a[s]>k){

large(a, s-1,a[s]);

}

else{

large(a,s-1,k);

}

}

}

}