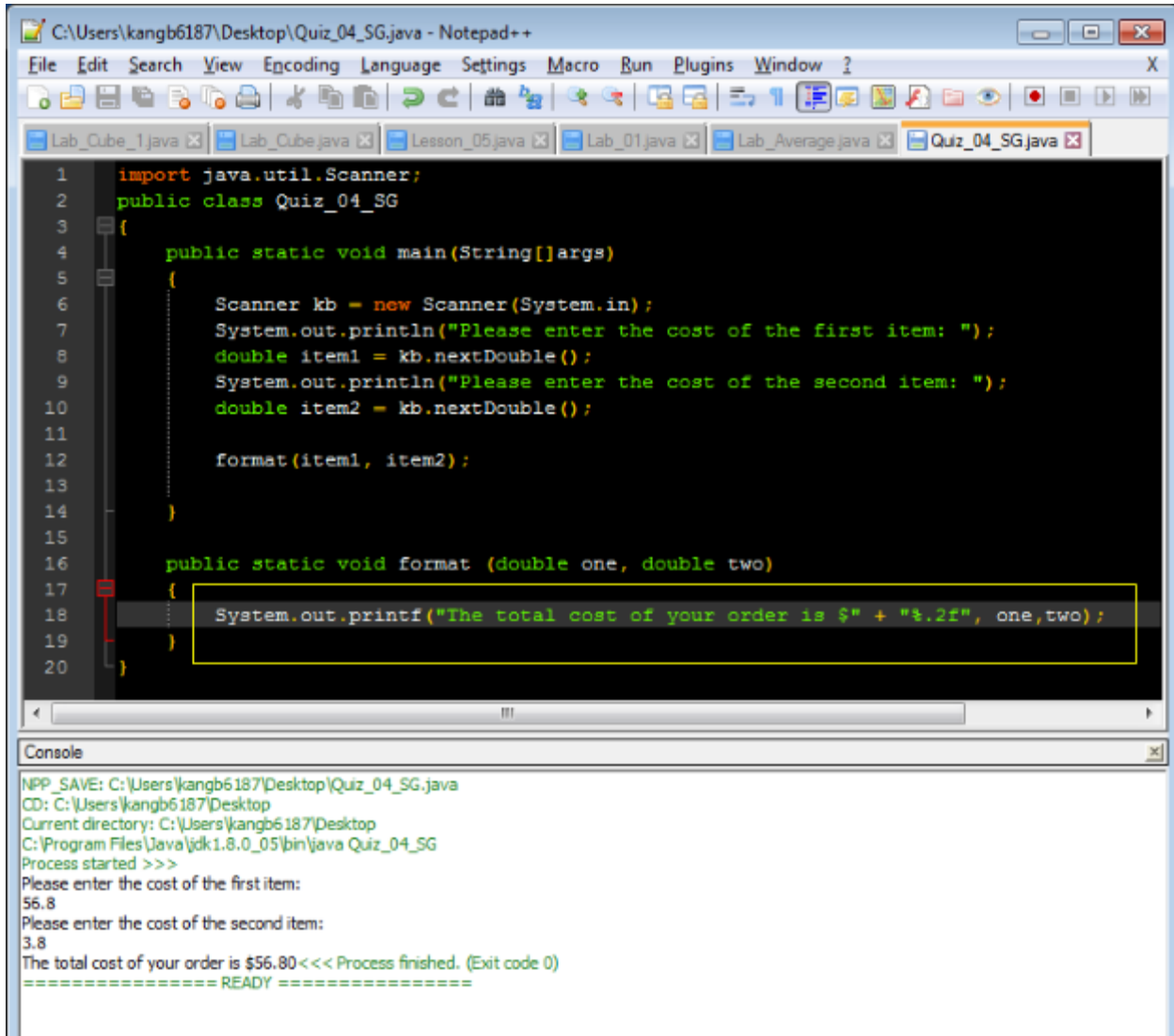


## Question 1



The screenshot shows a Notepad++ window titled "C:\Users\kangb6187\Desktop\Quiz\_04\_SG.java - Notepad++". The window contains a Java program that calculates the total cost of two items. The code is as follows:

```
1 import java.util.Scanner;
2 public class Quiz_04_SG
3 {
4     public static void main(String[] args)
5     {
6         Scanner kb = new Scanner(System.in);
7         System.out.println("Please enter the cost of the first item: ");
8         double item1 = kb.nextDouble();
9         System.out.println("Please enter the cost of the second item: ");
10        double item2 = kb.nextDouble();
11
12        format(item1, item2);
13    }
14
15    public static void format (double one, double two)
16    {
17        System.out.printf("The total cost of your order is $" + "%.2f", one,two);
18    }
19 }
20
```

The console output shows the program's execution:

```
NPP_SAVE: C:\Users\kangb6187\Desktop\Quiz_04_SG.java
CD: C:\Users\kangb6187\Desktop
Current directory: C:\Users\kangb6187\Desktop
C:\Program Files\Java\jdk1.8.0_05\bin\java Quiz_04_SG
Process started >>>
Please enter the cost of the first item:
56.8
Please enter the cost of the second item:
3.8
The total cost of your order is $56.80 <<< Process finished. (Exit code 0)
===== READY =====
```

## Question 2

The screenshot displays a Java IDE window titled "C:\Users\kangb6187\Desktop\Quiz\_04\_SG.java - Notepad++". The main editor shows the source code for "Quiz\_04\_SG.java". The code calculates tax and total price based on user input, formats the receipt, and uses a static method to format prices. A yellow box highlights the `format` method call in the `main` method.

```
29 double tax = 0.08*(subtotal);  
30  
31 double total = subtotal+tax;  
32  
33 System.out.println("<<<<<<<<<<__Receipt__>>>>>>>>>>>>");  
34 receipt.format(item1, price1);  
35 receipt.format(item2, price2);  
36 receipt.format(item3, price3);  
37 System.out.println(" ");  
38 receipt.format("Subtotal:", subtotal);  
39 receipt.format("Tax:", tax);  
40 receipt.format("Total:", total);  
41  
42 System.out.println("\n_____"+ "\n* Thank  
43 }  
44  
45 public static void format (String item, double price)  
46 {  
47     System.out.printf("\n %15s . . . . . $%.2f", item, price);  
48 }  
49 }
```

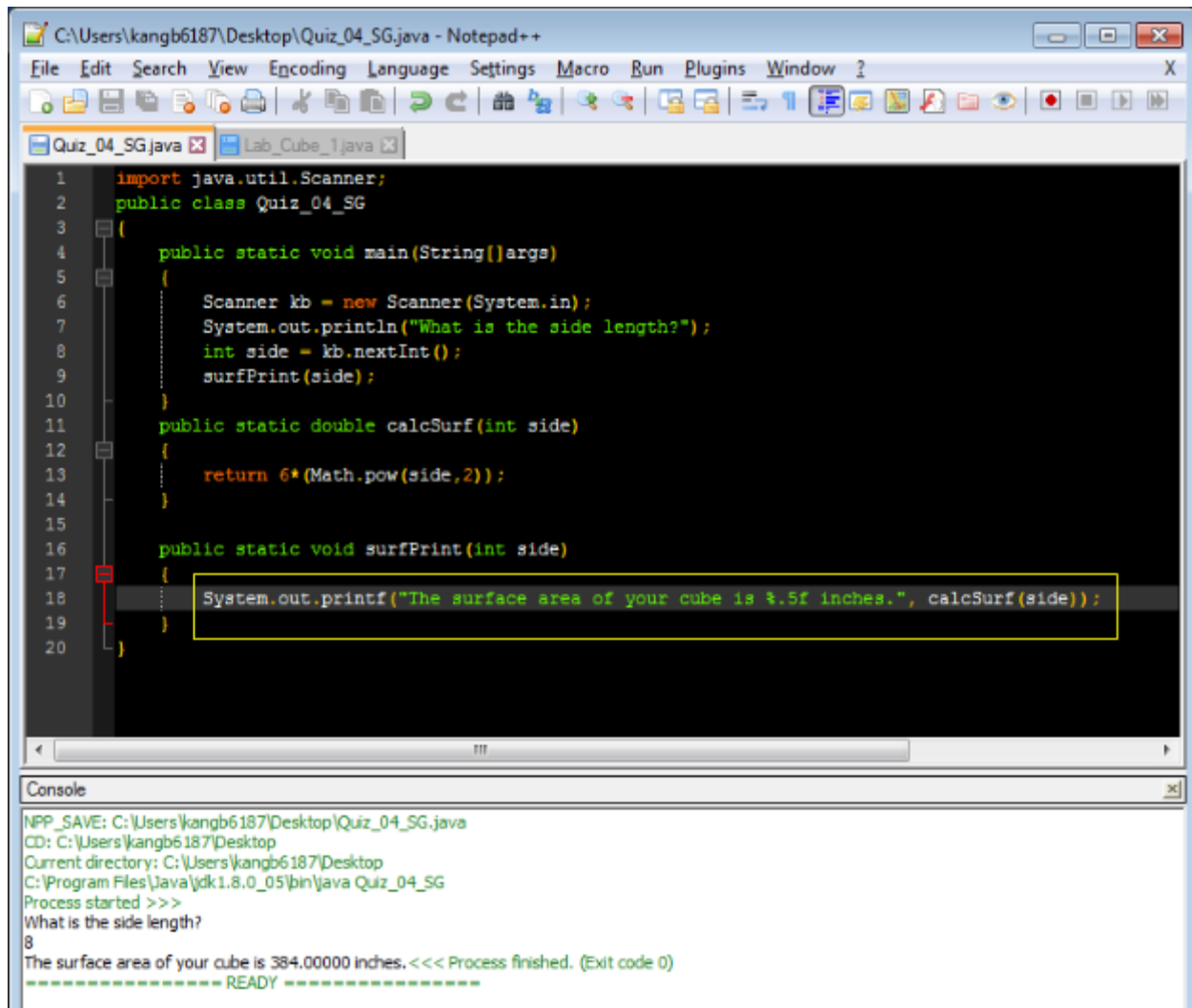
The Console window at the bottom shows the program's execution:

```
Please enter item 1:  
dfg  
Please enter the price:  
567  
Please enter item 2:  
sdf  
Please enter the price:  
234  
Please enter item 3:  
ghk  
Please enter the price:  
687  
<<<<<<<<<<<<<<__Receipt__>>>>>>>>>>>>  
  
dfg . . . . . $567.00  
sdf . . . . . $234.00  
ghk . . . . . $687.00
```

### Question 3

D. Code will fail

#### Question 4



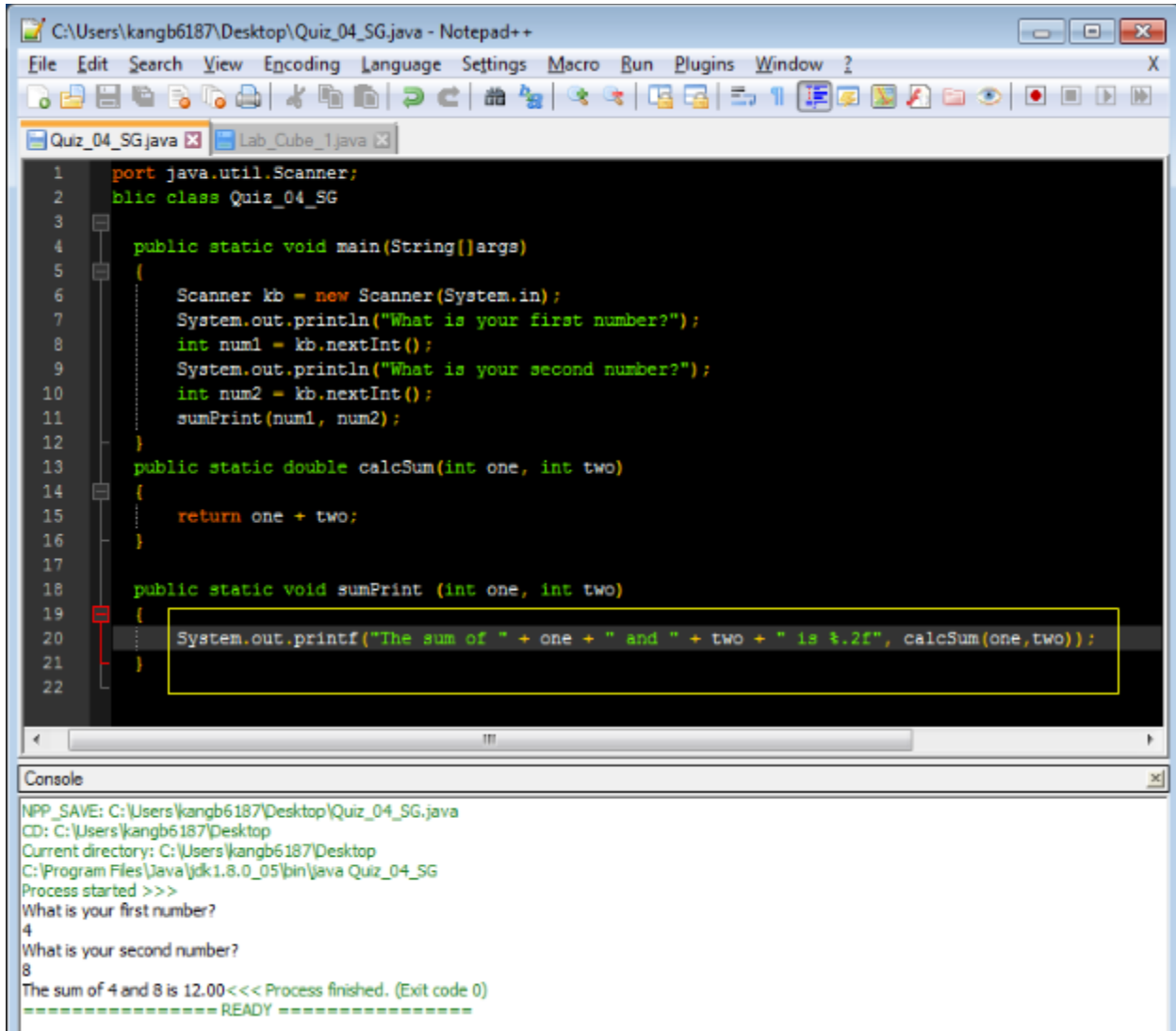
The screenshot shows a Notepad++ window titled "C:\Users\kangb6187\Desktop\Quiz\_04\_SG.java - Notepad++". The window contains a Java program named "Quiz\_04\_SG.java". The code is as follows:

```
1 import java.util.Scanner;
2 public class Quiz_04_SG
3 {
4     public static void main(String[] args)
5     {
6         Scanner kb = new Scanner(System.in);
7         System.out.println("What is the side length?");
8         int side = kb.nextInt();
9         surfPrint(side);
10    }
11    public static double calcSurf(int side)
12    {
13        return 6 * (Math.pow(side, 2));
14    }
15
16    public static void surfPrint(int side)
17    {
18        System.out.printf("The surface area of your cube is %.5f inches.", calcSurf(side));
19    }
20 }
```

The console output is as follows:

```
Console
NPP_SAVE: C:\Users\kangb6187\Desktop\Quiz_04_SG.java
CD: C:\Users\kangb6187\Desktop
Current directory: C:\Users\kangb6187\Desktop
C:\Program Files\Java\jdk1.8.0_05\bin\java Quiz_04_SG
Process started >>>
What is the side length?
8
The surface area of your cube is 384.00000 inches. <<< Process finished. (Exit code 0)
----- READY -----
```

### Question 5



The screenshot shows a Notepad++ window with the file `C:\Users\kangb6187\Desktop\Quiz_04_SG.java` open. The code is as follows:

```
1  import java.util.Scanner;
2  public class Quiz_04_SG
3  {
4      public static void main(String[] args)
5      {
6          Scanner kb = new Scanner(System.in);
7          System.out.println("What is your first number?");
8          int num1 = kb.nextInt();
9          System.out.println("What is your second number?");
10         int num2 = kb.nextInt();
11         sumPrint(num1, num2);
12     }
13     public static double calcSum(int one, int two)
14     {
15         return one + two;
16     }
17
18     public static void sumPrint (int one, int two)
19     {
20         System.out.printf("The sum of " + one + " and " + two + " is %.2f", calcSum(one,two));
21     }
22 }
```

The console output at the bottom shows the program's execution:

```
NPP_SAVE: C:\Users\kangb6187\Desktop\Quiz_04_SG.java
CD: C:\Users\kangb6187\Desktop
Current directory: C:\Users\kangb6187\Desktop
C:\Program Files\Java\jdk1.8.0_05\bin\java Quiz_04_SG
Process started >>>
What is your first number?
4
What is your second number?
8
The sum of 4 and 8 is 12.00<<< Process finished. (Exit code 0)
===== READY =====
```

### Question 6

D. the code will fail

### Question 7

D. the code will fail

### Question 8

A.