

**EXPERIMENT NO. 1**

**AIM:** Consider user has N eggs. Then display the no of eggs in gross (144 eggs make one gross) and no of eggs in dozen (12 eggs make one dozen) and the no of eggs that is left out remaining. The total no of eggs can be got as input through console. The program should display how many gross, how many dozen, and how many left over eggs the user has. For example, if the input is 1342 eggs, then the program should respond with: **Your number of eggs is 9 gross, 3 dozen, and 10.**

**ALGORITHM:**

CALCULATION (EGGS, GROSS, A, DOZEN, LEFT)  
STEP 1: Take the input N from the command line argument  
STEP 2: GROSS:  $=\text{EGGS}/144$   
STEP 3: A:  $=\text{EGGS}\%144$   
STEP 4: DOZEN:  $=A/12$   
STEP 5: LEFT:  $=A\%12$   
STEP 6: Apply process to GROSS.  
STEP 7: Apply process to DOZEN.  
STEP 8: Apply process to LEFT.  
STEP 9: Exit.

**INPUT: 1342**

**OUTPUT: Your number of eggs is 9 gross, 3 dozen and 10**

**Java Source Code :**

```
import java.util.Scanner;

public class assignment_1 {

    public static void main(String[] args) {
        Scanner input = new Scanner(System.in);
        System.out.println("Enter the number of eggs:");
        int eggs = input.nextInt();
        int gross = eggs/144;
        int A = eggs%144;
        int dozen = A/12;
        int left = A%12;

        System.out.println("Your no. of egg is "+ gross + "
gross, "+dozen+" dozen and " + left +".");

    }
}
```

## Output:

```
└─(codebajju@kali)-[~/Desktop/Java Course]
└─$ cd /home/codebajju/Desktop/Java\ Course ; /usr/bin/env
/usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp
/home/codebajju/.config/Code/User/workspaceStorage/bfc573db0
8a6028bc4af4ccbd69156e8/redhat.java/jdt_ws/Java\
Course_71b83b3f/bin assignment_1

Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on
-Dswing.aatext=true

Enter the number of eggs:

1342

Your no. of egg is 9 gross,3 dozen and 10.
```

## Picture Output



```
J assignment_1.java 1 •
J assignment_1.java > assignment_1
1  import java.util.Scanner;
2  public class assignment_1 {
3
4      Run | Debug
      public static void main(String[] args) {
5          Scanner input = new Scanner(System.in);
6          System.out.println("Enter the number of eggs:");
7          int eggs = input.nextInt();
8          int gross = eggs/144;
9          int A = eggs%144;
10         int dozen = A/12;
11         int left = A%12;
12         System.out.println("Your no. of egg is " + gross + " gross,"+dozen+" dozen and " + left +".");
13     }
14 }
15 }
```

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
(codebajju@kali) - [~/Desktop/Java Course]
$ cd /home/codebajju/Desktop/Java\ Course ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /home/codebajju/.config/Code/User/workspaceStorage/bfc573db08a6028bc4af4ccbd69156e8/redhat.java/jdt_ws/Java\ Course_71b83b3f/bin assignment_1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Enter the number of eggs:
1342
Your no. of egg is 9 gross,3 dozen and 10.

(codebajju@kali) - [~/Desktop/Java Course]
$
```

## Another Output

```
PROBLEMS 1 OUTPUT DEBUG CONSOLE TERMINAL
(codebajju@kali) - [~/Desktop/Java Course]
$ cd /home/codebajju/Desktop/Java\ Course ; /usr/bin/env /usr/lib/jvm/java-11-openjdk-amd64/bin/java -cp /home/codebajju/.config/Code/User/workspaceStorage/bfc573db08a6028bc4af4ccbd69156e8/redhat.java/jdt_ws/Java\ Course_71b83b3f/bin assignment_1
Picked up _JAVA_OPTIONS: -Dawt.useSystemAAFontSettings=on -Dswing.aatext=true
Enter the number of eggs:
2002
Your no. of egg is 13 gross,10 dozen and 10.

(codebajju@kali) - [~/Desktop/Java Course]
$
```

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**SECTION B3**