**Class Assignment**

**Code:**

package com.company;  
import java.util.Random;  
  
public class ClassActivity {  
  
 public static void main(String[] args) {  
  
 //Making an instance of Random class  
 Random rand = new Random();  
  
 //Creating array for saving responses  
 int[] response = new int[10];  
 int num;  
  
 //Initializing for loop for getting random responses  
 for (int i = 1; i <= 40; i++) {  
  
 //Creating random number between 1 to 10  
 num = rand.nextInt(10) + 1;  
  
 if (num == 1) {  
 response[0] += 1;  
 } else if (num == 2) {  
 response[1] += 1;  
 } else if (num == 3) {  
 response[2] += 1;  
 } else if (num == 4) {  
 response[3] += 1;  
 } else if (num == 5) {  
 response[4] += 1;  
 } else if (num == 6) {  
 response[5] += 1;  
 } else if (num == 7) {  
 response[6] += 1;  
 } else if (num == 8) {  
 response[7] += 1;  
 } else if (num == 9) {  
 response[8] += 1;  
 } else if (num == 10) {  
 response[9] += 1;  
 }  
  
 }  
 //Printing total number of students  
 System.*out*.println("Total Students = 40\n");  
  
 //Initializing for loop for printing the results  
 for (int j = 1; j <= 10; j++){  
  
 System.*out*.printf("%d students rated the food %d.\n", response[j-1], j);  
 }  
   
 //Printing the rating scale  
 System.*out*.println("\nRating Scale: 1 => Awful, 10 => Excellent");  
 }  
}

**Output Screenshot:**

