

PROBLEMA 1

The screenshot shows the Apache NetBeans IDE with the 'ExamenFinal.java' file open. The code is in the 'Source' tab and includes imports for `Arrays`, `List`, and `Scanner`. The `main` method calls `MayorMenor`, `Piramide`, and `Vacas`. The `Vacas` method prompts the user for the number of available cows, the weight limit of the truck, and a list of cow weights. The output window shows the program's execution, including the menu and the results of the `Vacas` method.

```
1 package examenfinal;
2
3 import java.util.Arrays;
4 import java.util.List;
5 import java.util.Scanner;
6
7
8 public class ExamenFinal {
9
10     public static void main(String[] args) {
11
12         MayorMenor();
13
14         Piramide();
15
16         Vacas();
17
18         String pesoVacas, lecheVacas;
19         Scanner sc = new Scanner(System.in);
20
21         System.out.print("Ingrese el numero de vacas disponibles para la venta: ");
22         int numVacas = sc.nextInt();
23
24         System.out.print("Peso limite del camiono en kilogramos: ");
25         int pesoMax = sc.nextInt();
26
27         System.out.print("Lista separada por comas de pesos de vacas: ");
28         pesoVacas = sc.next();
29
30         System.out.print("Lista separa por comas de produccion de leche de vaca: ");
31         lecheVacas = sc.next();
32
33         List<String> peso = Arrays.asList(pesoVacas.split(", "));
34         System.out.println(peso);
35     }
36 }
```

Output - ExamenFinal (run)

```
run:
*****
+          +
+1. Problema 1 +
+2. Problema 2 +
+3. Problema 3 +
+4. Salir +
*****
Por favor, ingrese una opción: 1
Ingrese el primer numero: 56
Ingrese el segundo numero: 36
56 es el numero mayor
*****
+          +
+1. Problema 1 +
+2. Problema 2 +
+3. Problema 3 +
+4. Salir +
*****
```

PROBLEMA 2

The screenshot shows the Apache NetBeans IDE with the 'ExamenFinal.java' file open. The code is in the 'Source' tab and includes imports for `Arrays`, `List`, and `Scanner`. The `main` method calls `MayorMenor`, `Piramide`, and `Vacas`. The `Vacas` method prompts the user for the number of available cows, the weight limit of the truck, and a list of cow weights. The output window shows the program's execution, including the menu and the results of the `Vacas` method.

```
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3 import java.util.Arrays;
4 import java.util.List;
5 import java.util.Scanner;
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8 public class ExamenFinal {
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10     public static void main(String[] args) {
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12         MayorMenor();
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16         Vacas();
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18         String pesoVacas, lecheVacas;
19         Scanner sc = new Scanner(System.in);
20
21         System.out.print("Ingrese el numero de vacas disponibles para la venta: ");
22         int numVacas = sc.nextInt();
23
24         System.out.print("Peso limite del camiono en kilogramos: ");
25         int pesoMax = sc.nextInt();
26
27         System.out.print("Lista separada por comas de pesos de vacas: ");
28         pesoVacas = sc.next();
29
30         System.out.print("Lista separa por comas de produccion de leche de vaca: ");
31         lecheVacas = sc.next();
32
33         List<String> peso = Arrays.asList(pesoVacas.split(", "));
34         System.out.println(peso);
35     }
36 }
```

Output - ExamenFinal (run)

```
run:
*****
+          +
+1. Problema 1 +
+2. Problema 2 +
+3. Problema 3 +
+4. Salir +
*****
Por favor, ingrese una opción: 2
Ingrese un numero impar: 11
*****
+          +
+1. Problema 1 +
+2. Problema 2 +
+3. Problema 3 +
+4. Salir +
*****
```

PROBLEMA 3: