ESTRUCTURAS, ARREGLOS Y CICLOS

2CV22 HERNANDEZ GONZALEZ JOSEPH FABRIZZIO



```
"C:\Program Files\Java\jdk-22\bin\java.exe
Kilómetros del trayecto:
75

⇒ Aplicar descuento (si/no):
10

→ Total a cobrar: $ 168

□ Process finished with exit code 0
```

```
Kilómetros del trayecto:

145

Aplicar descuento (si/no):

si

Total a cobrar: $ 179

Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaagent:
Kilómetros del trayecto:
675
Aplicar descuento (si/no):

1
□
Total a cobrar: $ 835
□
Process finished with exit code 0
```

```
"C:\Program Files\Java\jdk-22\bin\java.exe" "-javaa Kilómetros del trayecto:

675

Aplicar descuento (si/no):

Total a cobrar: $ 1518

Process finished with exit code 0
```

CODIGO

```
Created by: 2CV22 HERNANDEZ GONZALEZ JOSEPH FABRIZZIO
fun calculateFare(kilometers: Double, applyDiscount: String?): Int {
  val baseFare = 2.25
  var total = baseFare * kilometers
  if (applyDiscount?.lowercase() == "si" || applyDiscount == "1") {
      val input = readLine()
          println("Saliendo del programa...")
      if (kilometers == null || kilometers <= 0) {</pre>
      val applyDiscount = readLine()
      val total = calculateFare(kilometers, applyDiscount)
      println("Total a cobrar: $ $total")
```

PROGRAMA 2

```
Promedio de calificación: 70.0
Calificación más alta: 98.5
Calificación más baja: 31.0
Reprobados:
José, 31.0
Erika, 46.5
```

Codigo

```
Created by: 2CV22 HERNANDEZ GONZALEZ JOSEPH FABRIZZIO
fun calculateAverage(grades: Array<Double>): Double {
fun highestGrade(grades: Array<Double>): Double {
fun lowestGrade(grades: Array<Double>): Double {
fun failingStudents(students: Array<String>, grades: Array<Double>):
List<Pair<String, Double>> {
   return students.zip(grades).filter { it.second < 60.0 }</pre>
fun main() {
  val students = arrayOf("José", "Alberto", "Laura", "Noel", "Erika",
  val grades = arrayOf(31.0, 94.0, 98.5, 75.0, 46.5, 75.0)
  val average = calculateAverage(grades)
  val maxGrade = highestGrade(grades)
  val minGrade = lowestGrade(grades)
  val failing = failingStudents(students, grades)
```

```
println("Reprobados:")
for ((student, grade) in failing) {
    println("$student, $grade")
}
```