1. Closure-based Calculator

Write a Groovy program that defines a method `calculate(a, b, operation)` that takes two numbers and a closure. Use this to:

- **Add two numbers**
  def a=10

  def b=5

  println a+b

- **Subtract two numbers**

  def a=10

  def b=5

  println a-b

- **Multiply two numbers**

  def a=10

  def b=5

  println a*b

2. Word Frequency Counter

Ask the user for a sentence and count how many times each word appears using a map.

Input: `"hello world hello"`
Output:

```
hello → 2
world → 1
```

PROGRAMS:

```
def sentence="hello world hello"
def words=sentence.split(" ")
def map=[:]
words.each {word->map[word]=(map[word]?:0)+1
```

```
}
map.each {word,count->println"$word → $count"
}
```

3. Group Strings by Length

Given a list of words, group them into a map where the key is the word length and the value is a list of words with that length.

Input: ["hi", "hello", "bye", "good", "sun"]
Output:

```
2 → ["hi"]
3 → ["bye", "sun"]
4 → ["good"]
5 → ["hello"]
```

PROGRAMS:

```
def words=["hi","hello","bye","good","sun"]
def map=[:]
words.each{ word ->
   def len=word.length()
   map[len]=(map[len]?:[])+word
}
map.each {k,v ->
   println "$k → $v"
}
```