



- Oconstructors are expressions that build and set up tables. They represent a unique aspect of Lua and are among its most valuable and flexible mechanisms.
- The most basic constructor is the empty constructor, represented by {} as demonstrated earlier. Constructors can also initialize lists. For example:



- Lua also offers a special syntax to initialize a record-like table.
- A record-like table in Lua refers to a table that is used to represent structured data with named fields or attributes. For example:

```
local person = {
  name = "John",
  age = 30,
  occupation = "Engineer"
}
```

A Note about Local and Global variables



```
-- Global variable
globalVar = "I am global"
function myFunction()
  -- Local variable
  localVar = "I am local"
  print(globalVar) -- Accessible within the function
  print(localVar) -- Accessible within the function
end
myFunction()
print(globalVar) -- Accessible globally
print(localVar) -- Error: localVar is not accessible outside the function
```



• We can also mix record-style with list-style initializations. For instance: