Quiz 1

- **Find the sum of all the multiples of 3 or 5 below 100**

- **Find the difference between the square of the sum and the sum of the squares of the first 100 natural numbers.**
  The square of the sum of the first ten natural numbers is $(1 + 2 + ... + 10)^2 = 55^2 = 3025$.
  The sum of the squares of the first ten natural numbers is $1^2 + 2^2 + ... + 10^2 = 385$.

- **If day = 1 print Saturday,**
  if equals 2 print Sunday,
  3 → Monday,
  4 → Tuesday,
  5 → Wednesday,
  6 → Thursday,
  7 → Friday
  and if it is not equal none of the above print "I cannot determine the day"
  implement this logic once by if-statement and once by switch.

- **What is the output of this Program**

```go
func main() {

    a, b := 10, 2000
    ptr := &a
    fmt.Println(*ptr)

    *ptr = 20
    fmt.Println(a)

    ptr = &b
    *ptr = *ptr / 31
    fmt.Println(b)
    fmt.Println(a)

}
```