Functions that are not total

```
// Not a total function throws java.lang.ArithmeticException: / by zero
def tenDividedByN(n: Int) : Int = 10 / n

// Not a total function throws java.lang.NumberFormatException
def stringToInt(s: String) : Int = {
    s.toInt
}
```

Total functions A - B return a valid B for every A

Exceptions are not valid type B

Lost ability to compose

Pure functions are

- 1.Total
- 2. Deterministic