

## Unit 4: LOGIC

### [Logic Basics](#)

<https://codingbat.com/home/srp4379@lausd.net/1-logicbasics>

Practicing a **Model / Paradigm** for completing methods.

- **Is the input parameter within a certain range of numbers?**
- **Is the input parameter in a certain CATEGORY (e.g. season, month)**
- **Using the MODULUS/REMAINDER operation (%)**
- **Is a number a factor?**
- **Using % (MOD) to track Time Intervals**
- **Using AND (&&); OR (||)**
- **Using NOT (!)**
- **Checking for a remainder**
- **Isolating and Evaluating the Digits of an Integer**

### [Logic-1 Regular Section of Codingbat](#)

<https://codingbat.com/java/Logic-1>

#### **Selected Problems:**

cigarParty   squirrelPlay   caughtSpeeding   sortaSum   love6  
in1To10   specialEleven   more20   nearTen   teenSum  
twoAsOne   inOrder   inOrderEqual   lastDigit   withoutDoubles  
shareDigit