

Week 8 – More Objects

Formative Work

Question 1

Download the [CoinTest.java](#) program from MOODLE and write a [Coin](#) class that will work with the test program. You may not modify the CoinTest program in any way.

Coin (from Week7)
<u>+HEADS: int = 1 {readOnly}</u> <u>+TAILS: int = 0 {readOnly}</u> -state: int
«constructor»~Coin() «constructor»~Coin(state: int) +getState(): int +flip(): void +flip(bias: double): void +toString(): String

Notes:

Underlined class members are static
A fare coin flip can be simulated using
`Math.random() > 0.5`

Your test program output should look as follows:

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HEADS=43 TAILS=57
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HEADS=21 TAILS=79

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