

DAC 0521 MET-M Writeup Java Module 1 Session - 02

Java Type System

Value (primitive) Types

- 1: boolean <- true or false option (%b)
- 2: char <- single unicode character (%c)
- 3: byte <- 8-bit signed integer (%d, %x)
- 4: short <- 16-bit signed integer (%d, %x)
- 5: int <- 32-bit signed integer (%d, %x)
- 6: long <- 64-bit signed integer (%d, %x)
- 7: float <- 32-bit single precision(7 decimal digits) real number (%f)
- 8: double <- 64-bit double precision(14 decimal digits) real number (%f)

Reference (user-defined) Types

- 1: class -> an instance containing values for a user-defined set of fields
- 2: interface -> an instance supporting a user-defined set of methods
- 3: enum -> an option from a set of user-defined options
- 4: array (T[]) -> a fixed-size indexable list of elements of a given type (T)
- 5: String -> an immutable sequence of unicode string
- 6: Object -> an instance of any type