- object oriented - write once - syntax similar to C++ - compile once anywhere - run anywhere & you have a VM - hides low level -compile to bytecode - extensive library

-variables -reterences -primitiles -arrays -integes - objects byte 8 -128-127 short 16 -32768-32767 int 32 ±2 billion long 64 = 9el8 - floating point double 64 too lean

int fare = (int) 42.0; convert even though less precise

- java. lang. String - java lang. System - java. io. Krint Stream - type of System-out - java i D. Input Stream - type of System.in - javer util. Scarner -wraps an input stream -provided nicer parsing methods

int x = keyboard.nextInt(); // 12/8
String s = keyboard.nextLinear

System in Scanner int keyboard