

Numbers system

decimal

binary

hexa decimal

octaed

conversion binary to decimal

1 → 10
0 1 2 3 4 ... 5 6 7

10
0-9 A B C D E F

0 1 2 3 4 5 6 7

→ ascii

jdk jvm jre

installing java in windows

print

println

game assignment

25 → 16 8 4 2 1
11 00 1
"abcd" →

numbers

decimal number

-3, -2, -1, 0, 1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, ...

3456 → decimal

computer lang?

1 0

binary

1111100111 → binary

Numbers system

decimal

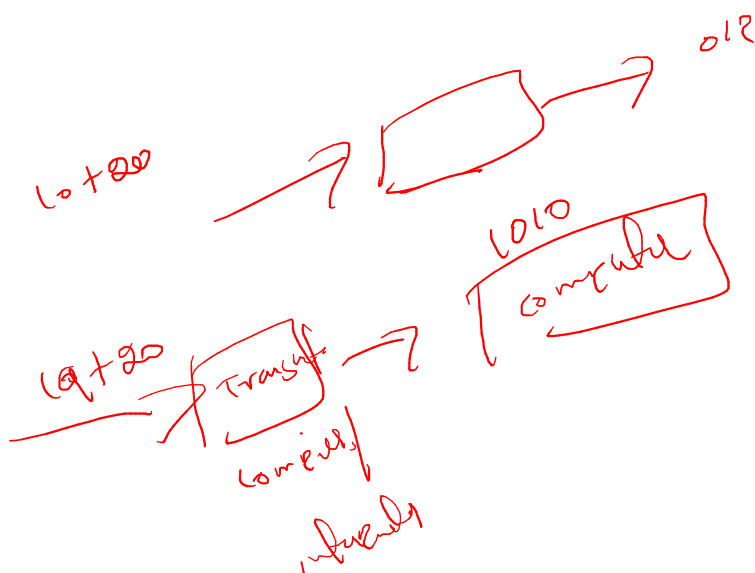
binary

hexa decimal

octal

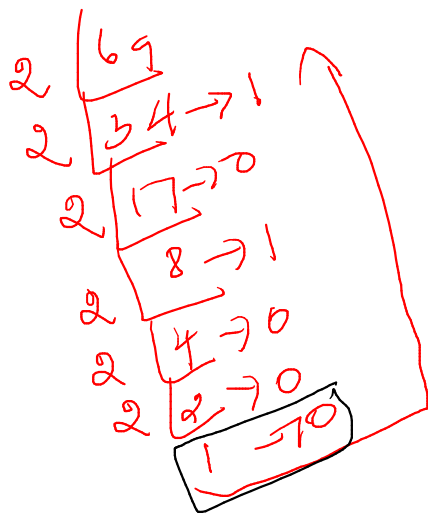
1 0 1 0
2 2 2 2
8 + 2 = 10

aa → ~~99~~ 99



Decimal → Binary
~~101~~ 6

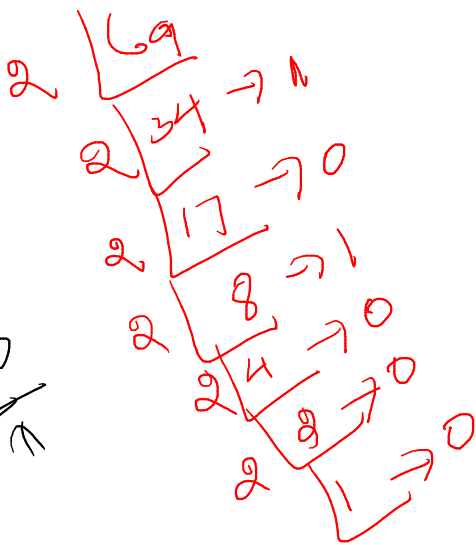
2 | 10
2 | 5 → 01
2 | 2 → 11
2 | 1 → 01
0 → 11



0 0 0 1 1

69 → 1 0 0 0 1 0 1

Dec → Bin



2 → 1/0

1 0 0 0 1 0 1
 $(1 \times 2^6) + (0 \times 2^5) + (0 \times 2^4) + (0 \times 2^3) + (1 \times 2^2) + (0 \times 2^1) + (1 \times 2^0)$
 $(64 + 0 + 0 + 0 + 4 + 0 + 1) = 69$

$64 + 4 + 1 = 69$

how to run java

1. cd C:\Users\Kannan\Documents\Review
2. javac Main.java
3. java Main

hello world

java

1. download
2. install (next)
3. environment variables

environment variables for your account

click on path

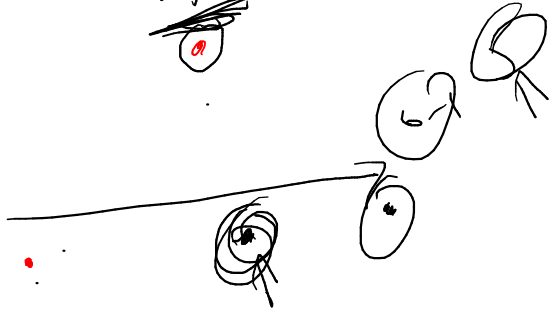
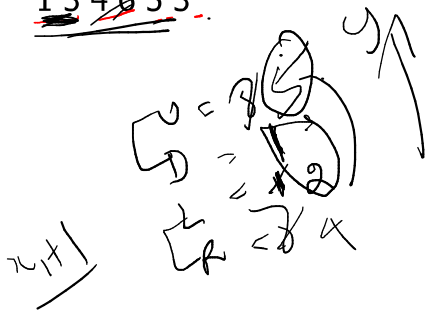
click on edit

click on new C:\Program Files\Java\jdk-17.0.1\bin

4. open command prompt
5. type java

88
~~43~~
~~3~~
134653

Di



k
d

43
46

44

64x

7x

5x

43
53

1 2 3 4 5 6 7 8 9 10 11 12

25 → not decimal
 "abcd" → ASCII
 decimal
 "abcd" → 11 12 13 100