

Electricity Bill 7 5/unit 0-100 I (7) unit 101-200 20\$ -300 2 10/unit 7 12 (unit 301+ Bill

Agenda I Elec BILL - Java 1> Local 1 4 IDE -> Loops L) while 4 Problems

70 unt if (unit <= 100) 6:11 unit x5;

$$4) if (unit <= 100)$$

$$bill = unit ×5;$$

$$clse if (unit <= 200) ( 101 - 200)$$

 $= 100 \times 5 + (unit - 100) * 7$ 

else if 
$$(un)^{\frac{1}{2}} < = 300$$
) [

$$bill = 100 \times 5 + 100 \times 7 + (unit_{-200}) \times 10$$

$$= 500 + 700 + (nit_{-200}) \times 10$$

$$3$$

$$else []$$

$$bill = 100 \times 5$$

$$+ 100 \times 7$$

$$+ 100 \times 10$$

$$+ (unit_{-300}) \times 12$$

Print (bill), CODEIT

Java - Local Env & Run on your

Machine

Basic way (fundamentally) - 102 +

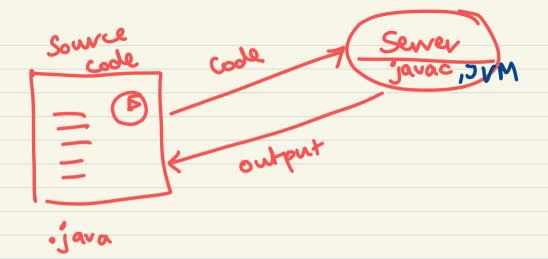
Davidson

Ly Text Editor

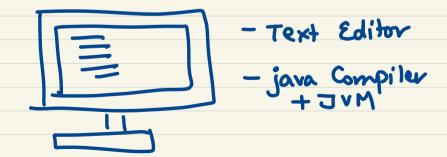
Env.

Single GUI P

Intellij Idea



Local Machine

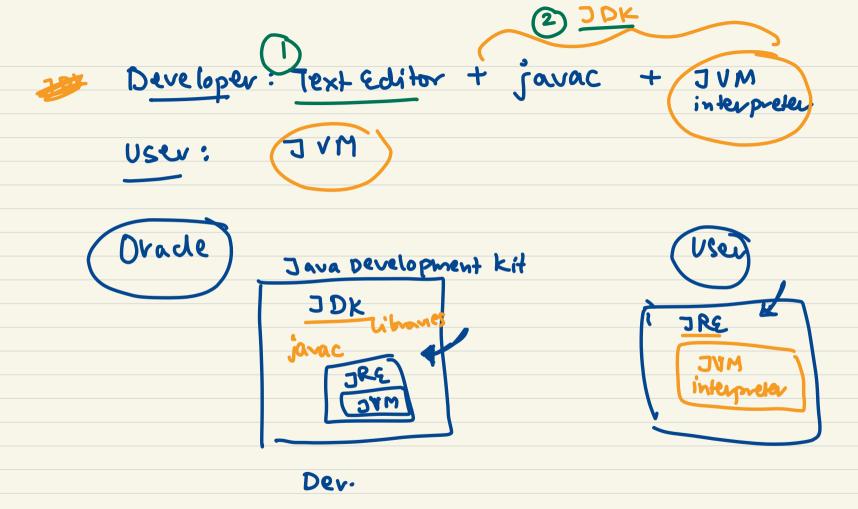


Flow > 0101010 · class > Platform Independent (intermediate form which JVM - Java Virtual machine

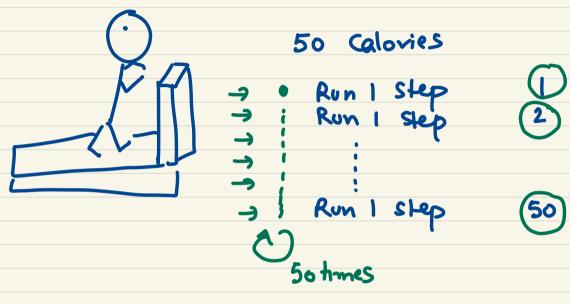
6(0011 6101610 · cpp file 19912 Platform

LOAD -> 1010 LOAD - 101) instruction Set 1010 loll 1010 (AQ)

Platform Independent Java -JVM IS Pradically platform "Specific filename.java installion Compiled (once) Whow Toad-le Android WATCH Mac



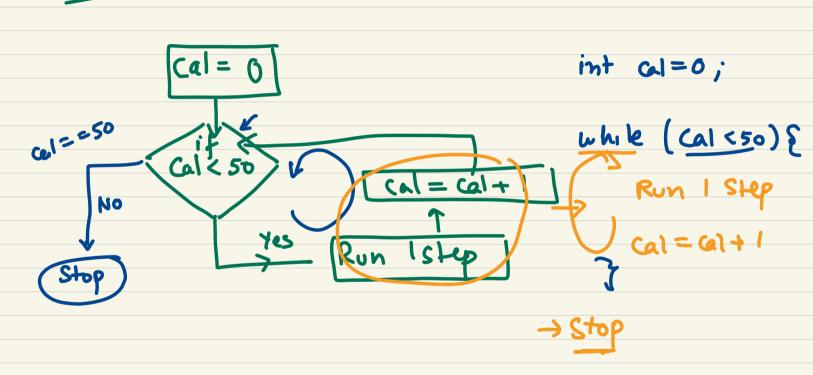
10.30 Intellij Loops while loop + Roblem

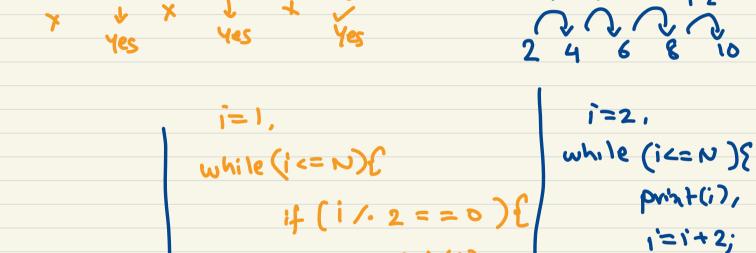


$$5 \times 1 = 5$$
 print  
 $5 \times 2 = 10$   
 $5 \times 3 = 15$ 

1000 times

Loops -> Rejeat "certain set of instruction"





3 1=1+1,

· Powers of 2 2,4,8,16,32,64 (16 X2 (32x2 C128 Sbp

Factorial of a Number

$$51 = \frac{1}{2} \times 2 \times 3 \times 4 \times 5 = 120$$

$$N = \frac{24}{2} \times 2 \times 3 \times 4 \times \cdots \times N = N1$$

$$2 \times 3 \times 4 \times \cdots \times N = N1$$

$$2 \times 3 \times 4 \times \cdots \times N = N1$$

$$3 \times 3 \times 4 \times \cdots \times N = N1$$

$$3 \times 3 \times 4 \times \cdots \times N = N1$$

$$3 \times 3 \times 4 \times \cdots \times N = N1$$



Given a senes of form 3i+2,

print fist N +oms while (ik= N) print (3xi+2). which are not multiple of 5

1=8 i=2 i=3 i=4 i=5 i=6 1=1 areak for 1=1 Blile

5 multiple of 5 which ove not div while (iZ=N) 131 30