Conditional decision making 96 - else I'll have coffee if available, if not I'll have tea J selve tea You have a pelson's age in integels. Plint "Eligible" if eligible to vote "Not Eligible" otherwise if (age >=18) C 1 paint ("Eligible") 7 elje L 1 print ("Not Eligible") y

Q Given 2 disferent integes, print the bigger number. 7 12 => 12

Given 2 integes, plint the bigger number 7 12 if ()
else if () else if else if () if (a>b) L print (a) else if (a = = 6) plint ("Both equal"

<98.2 98.2 to 98.8 9 Temperature low nolmal high 798.8 y(temp>98.8){

plint ("High")

y il (temp < 98.2) C peint ("Low") else if (temp < 98.2) {

print ("Low")

y else if (temp >, 98.2 & & Gemb < 98.8) C

Plint ("Normal")

J else L

peint ("Normal")
y else L

peint ("High")

y 98.2 5 temp & L temp 5 98.8 Division & integer datatypes print (11/3) -> 3 1/3 => 3.666666 integer division (11) / (3) 26/2 = 1327/2 = 13

2 datatypes) same => ans also same datatype

— diff => ans is of the bigger datatype double 7 float long 7 int # 96 one guy decimal one guy integer ans => decimal peint (11/3) 11.0/3.0 11.0/3 11/3.0 float (11)/3 11 f 23 System.out.peint (Cfloat) (11/3)) => 3.0 10⁵ 2×10⁵ int x = 100000int y = 200000 peint (n*y) X
peint (long) (n*y)) X peint ((long) re * y)

Modulo (1.) a 1/2 b

Remainder 7:1.3 = 1 12:1.3 = 0

17-1.4 = 1

Print whether integer a 4 even of odd

B Even = divisible by 2

11 Odd

if (a-1.2 = = 0) print ("Even")

else print ("Odd")

Q Given intger, print Hea last digit 731→1 456217-27

plint (a% 10)

$$A > B$$
 $A < B$
 $A > = B$

$$A = -B$$

Logical operators

AND		OR	
A B	result	A B	result
00	0	00	0
0 1	6	01	1
f O	0	(0	1
1 /	1	/ /	1

100 vnits => 5 Rs/unit 0 10/ & beyond => 10 Rs/unit = 350 70 130 30×10 10025 300 = 300 if (vnits < 100) C print (unito x5) else C entra = Unik - 100 total-payment = 100×5 + extra *10 print (total - payment)

Of 96 moltiple of 325 plint "Fizz Buzz"

If moltiple of 5 "Buzz"

If not moltiple of 325 "Nothing" if (n 1/.3 = = 0)

Fis3

else if (n 1/.5 = = 0) Buss else if (n-1.3 = -0) El n/.5 = -0) Fiss Buss 1 SA £ 100 15A51000 if (n-1.3==0 && n/5==0) else if (n 1/.3 ==0) else if (n:15 ==0) Nothing