Flowcharts

08 February 2026 21:44

Q1. Add Two Numbers
Q2. Simple Interest Calculation → $SI = \frac{P \times R \times T}{100}$
Q3. Check Whether a Number is Odd or Even
Q4. Find the Maximum of Two Numbers
Q5. Find the Maximum of Three Numbers
Q6. Grade Card Program (Based on Marks) →
Q7. Print Counting from 1 to N
Q8. Find the Sum of N Natural Numbers
Q9. Print the Multiplication Table of 7
Q10. Find the Factorial of a Number
Q11. Print All Even Numbers from 1 to 100 using a Loop
Q12. Find the Sum of Digits of a Given Number using a Loop
Q13. Reverse a Number using a While Loop

calculate → 90 – 100 (O) → inclusive
80 – 90 (A+)
70 – 80 (A)
< 70 (F).

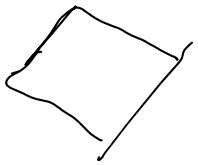
123
↳ 1+2+3
= 6

* Things to keep in mind

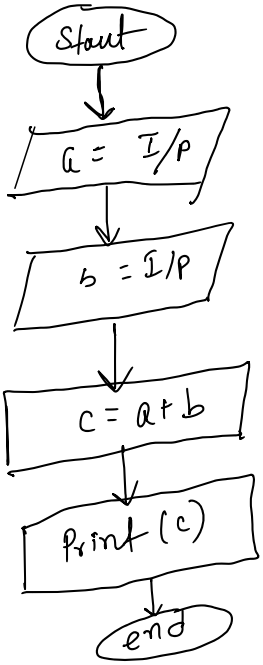
→  (oval shape) = Start / end.

→  (rhombus) = user Input / Reading.

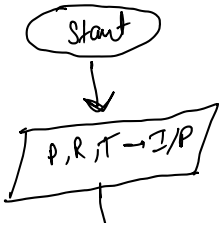
→  (rectangle) = process

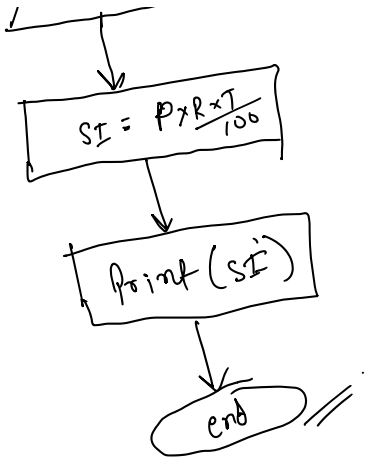
→  (diamond) = decision.

Q1 Ans →

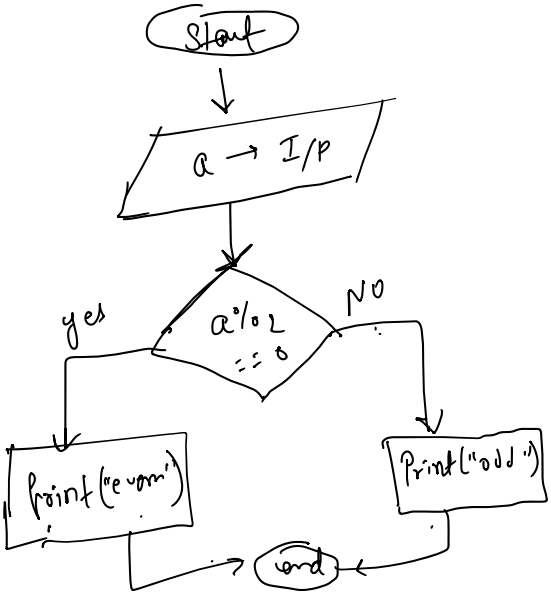


Q2 Ans →





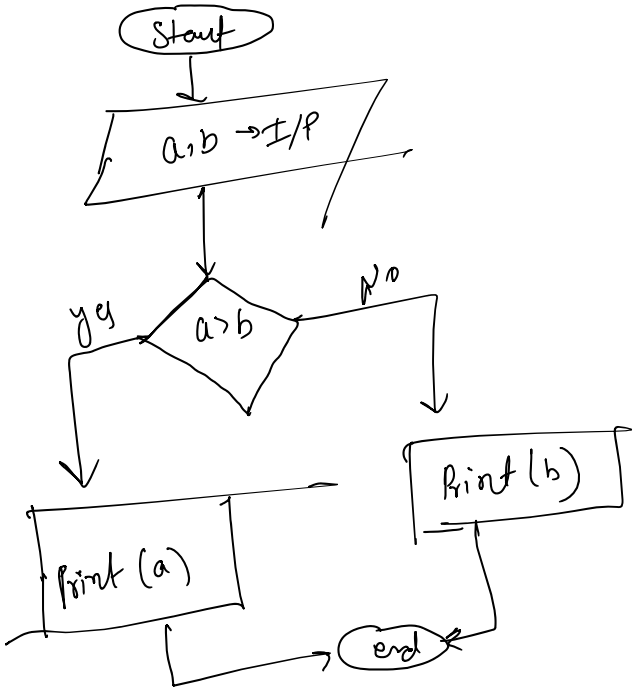
Q3 Ans→



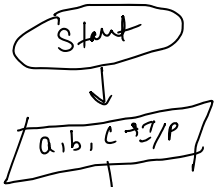
4/2 = 2

% 5%2 = 1

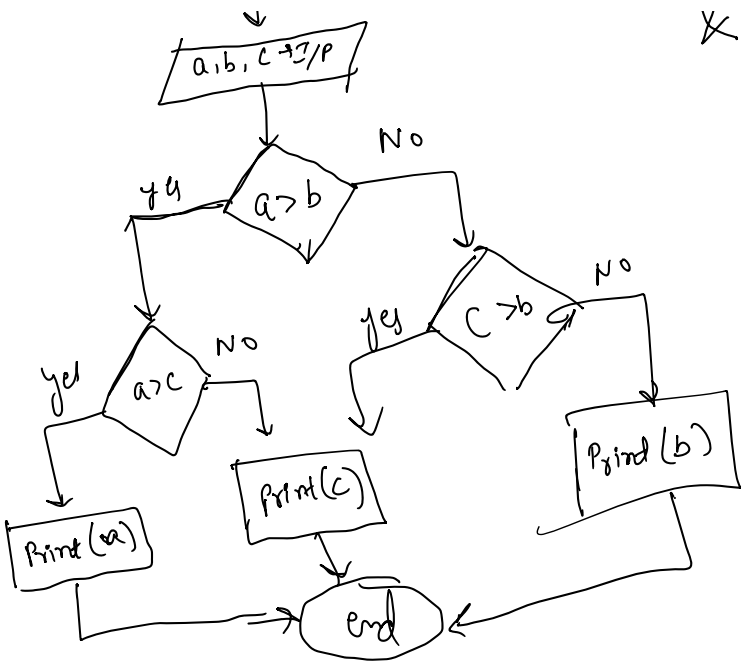
Q4 Ans→



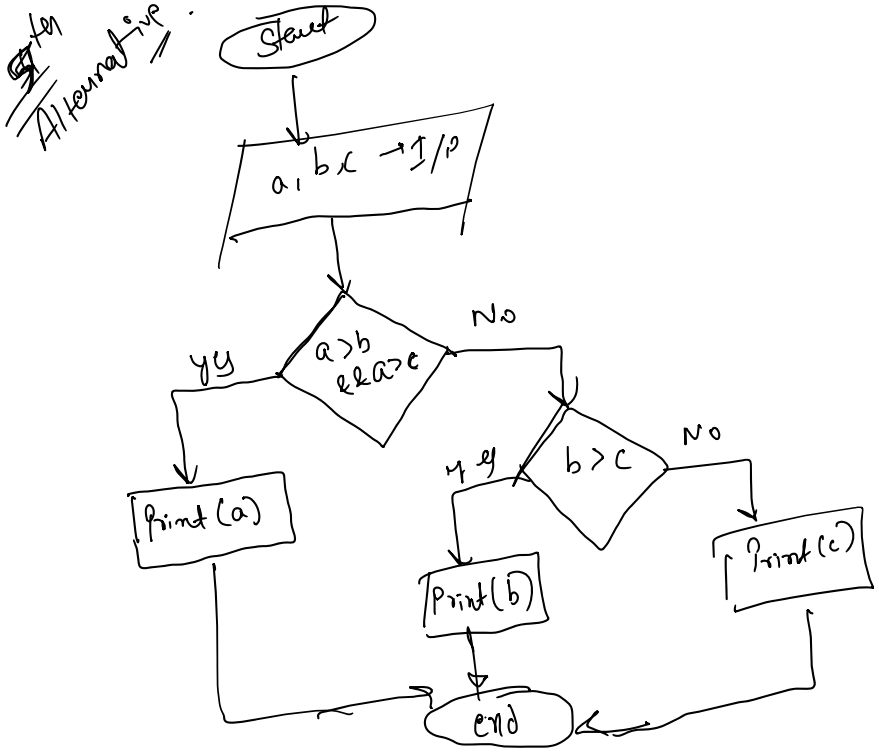
Q5 Ans→

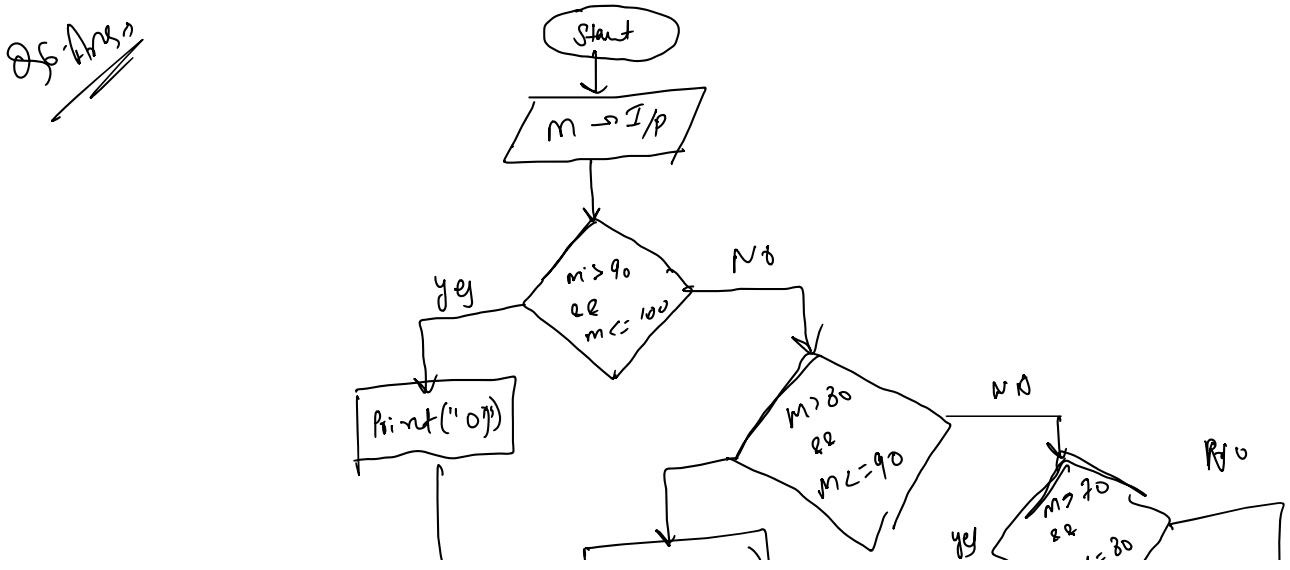


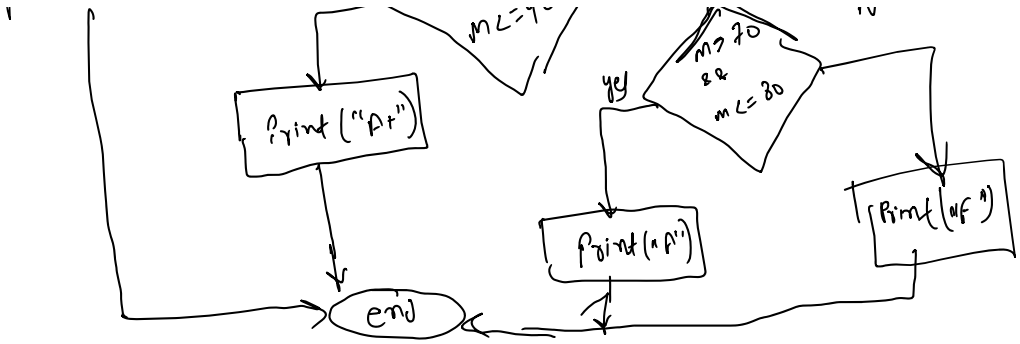
&& ||



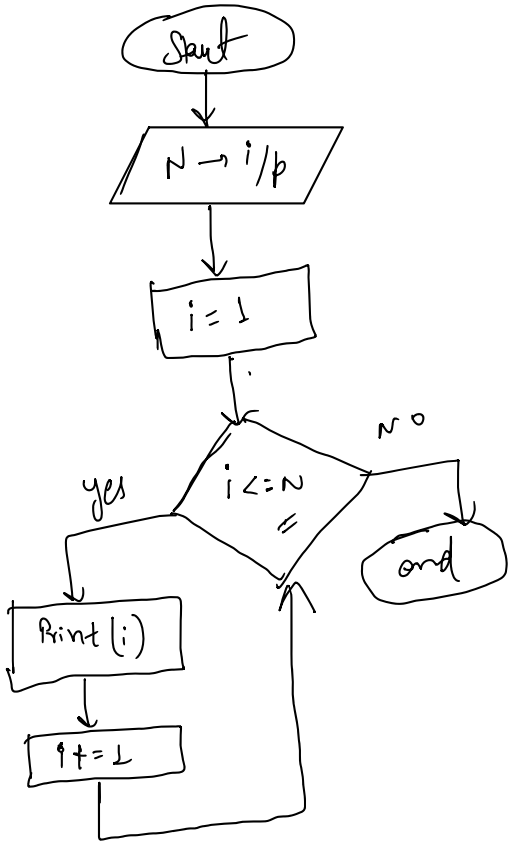
x	y	x&y	x|y
0	0	0	0
1	0	0	1
0	1	0	1
1	1	1	1







Q7 Ans.



N=10

i=1

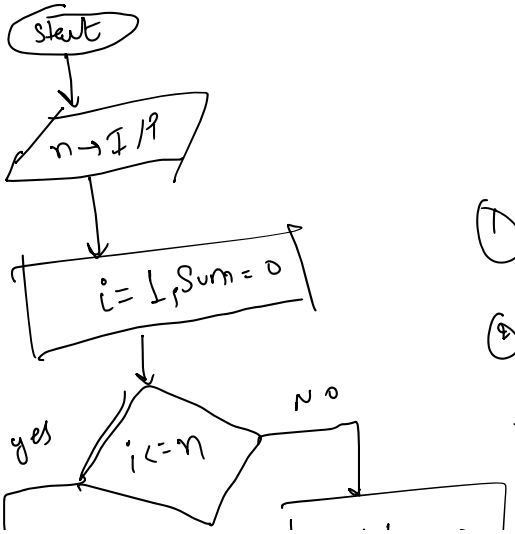
Some.

i++

i = i+1

N=10	O/P
i=1	1
i=2	2
i=3	3
⋮	⋮
i=10	10
i=11	

Q8.

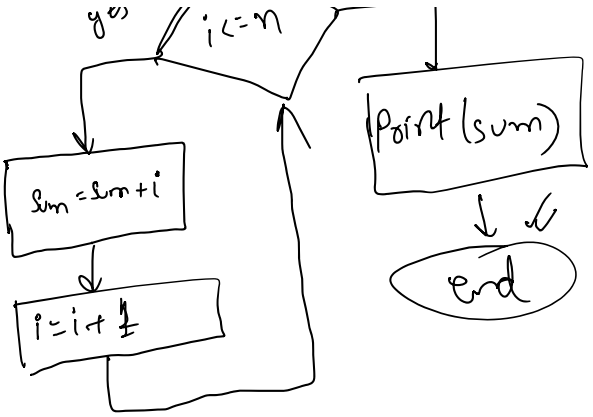


N=10

① i=1, Sum=0, Sum = 1

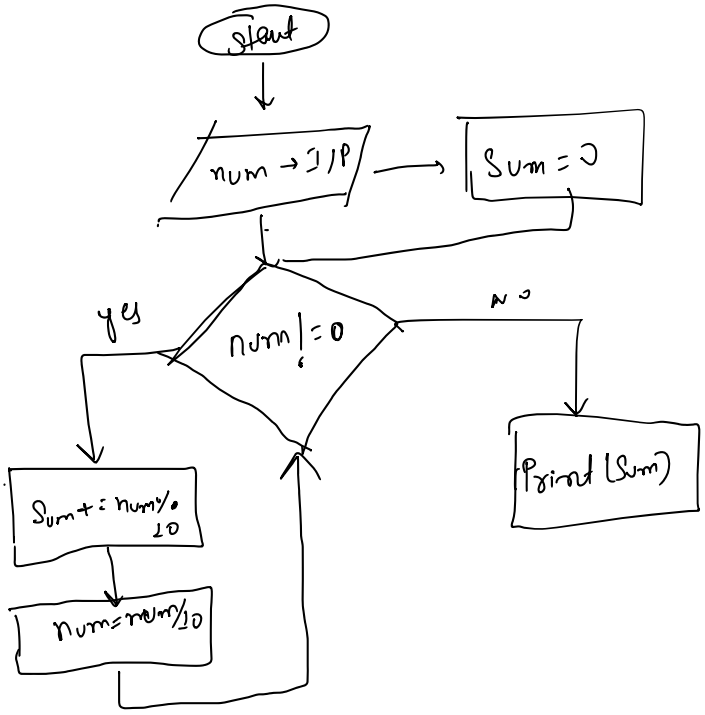
② i=2, Sum=1, Sum = 1+2

③ i=3, Sum=1+2, Sum = 1+2+3



Sum = 1+2+3 ---
+10

Diagram →



12

Sum += 3

10) 123 (12
120
3
num = 12

N%10

[0, ---- 9]

N%7

[0, 1, 2, ---, 6]

Camel problem

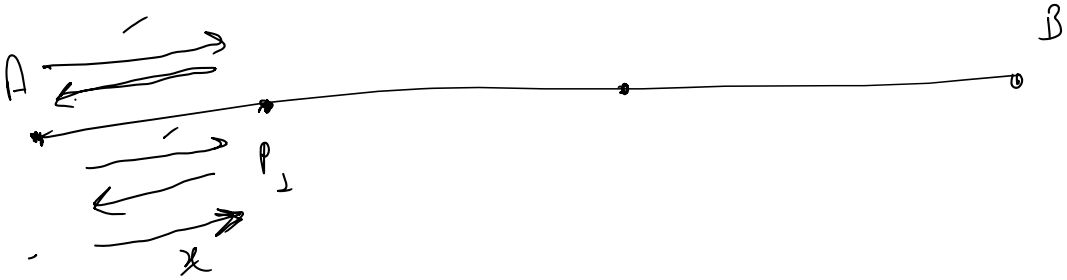
↳ Src → 3000

↳ Dest^n → max

Condn

↳ 1 km (-1 banana)

↳ max capacity (1000 bana).



$3000 - 5x = 2000$

$x = 200\ km$

$2000 - 3x = 1000$

$x = 333$

533

$1000 - 533 = 467$

$4000 - 467$

$= 533$