Flowchart

→ Sequential steps to create a visual representation of a process, Algorithm or Workflow.

⬭ Start/end
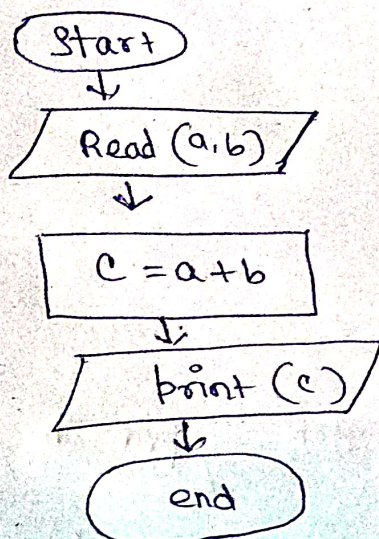
▱ Input/output

▭ → Mathematical calculation
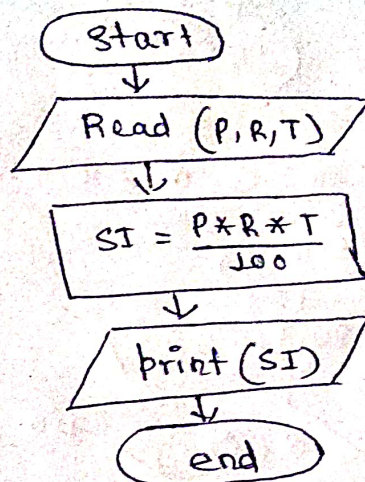
↓ Code flow (arrow)

◇ → Dincision/ Comparison

Q) ADD two Number ?

Start
↓
Read (a,b)
↓
$C = a+b$
↓
print (c)
↓
end

Q) Simple Interest ?

$$SI = \frac{PRT}{100}$$

Start
↓
Read (P,R,T)
↓
$SI = \frac{P*R*T}{100}$
↓
print (SI)
↓
end

Q) Area of a traingle ?

$$S = \frac{a+b+c}{2}$$
↳ Semi parameter

$$Area \Rightarrow \sqrt{S*(S-a)*(S-b)*(S-c)}$$

Start
↓
Read (a,b,c)
↓
$S = \frac{a+b+c}{2}$
$Area = sqrt(S*(S-a)*(S-b)*(S-c))$
↓
print (Area)
↓
end
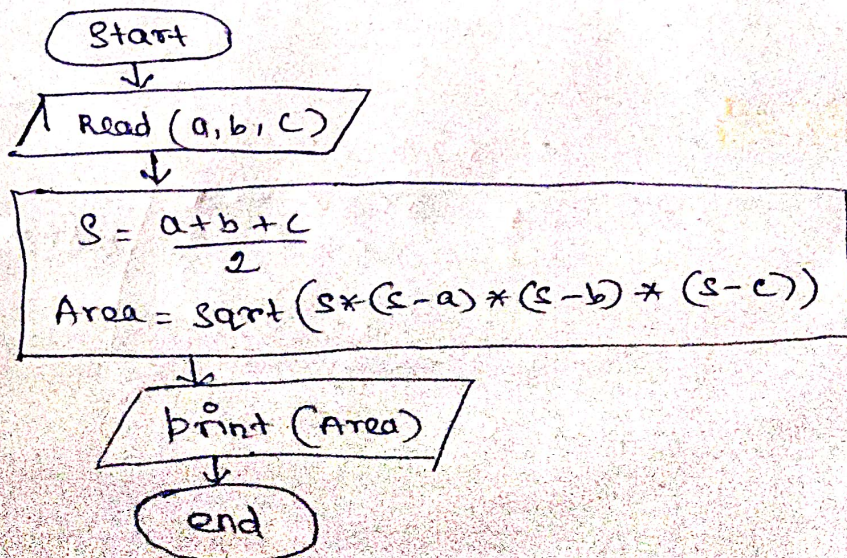
④ Number odd/even ?

$n \% 2 == 0 \rightarrow$ Even
$n \% 2 = 1 \rightarrow$ odd

$\% \rightarrow$ Remainder/Modulo

Start

Read (m)

if (n%2) == 0 → NO → print (odd) → end

yes

print (even)

end

⑤ maximum of a, b, c ?

Start

Read (a, b, c)

if (a > b) → NO → if (b > c) → Yes → print (b) → end

NO

print (c)

end

yes

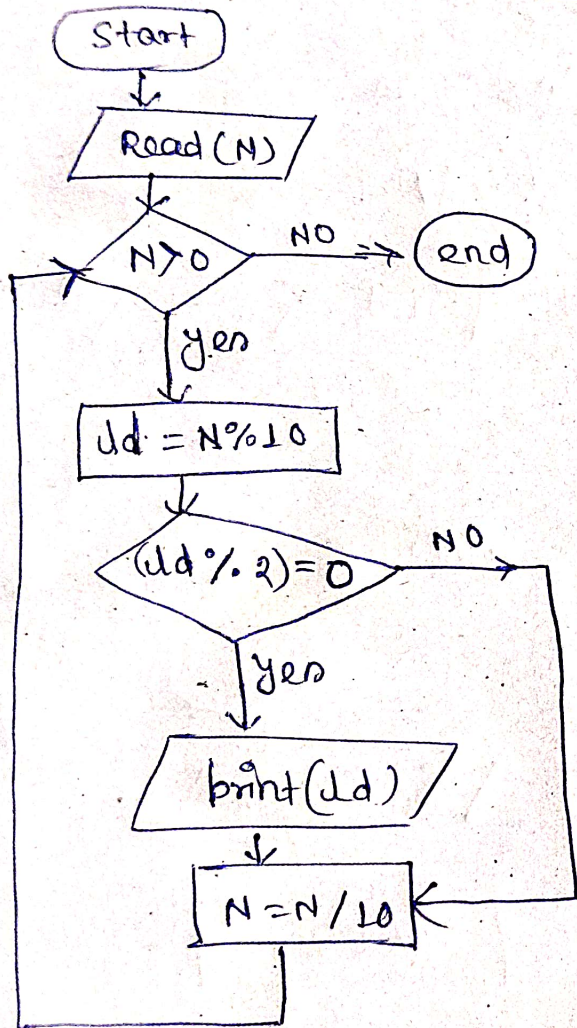if a > c → NO → print (c) → end

yes

print (a)

end
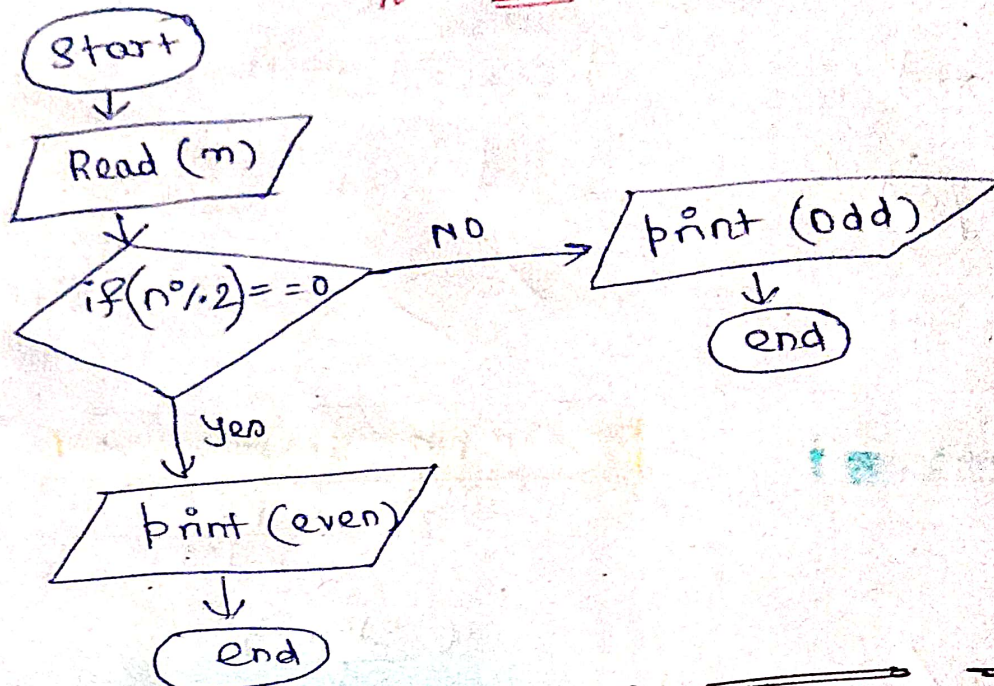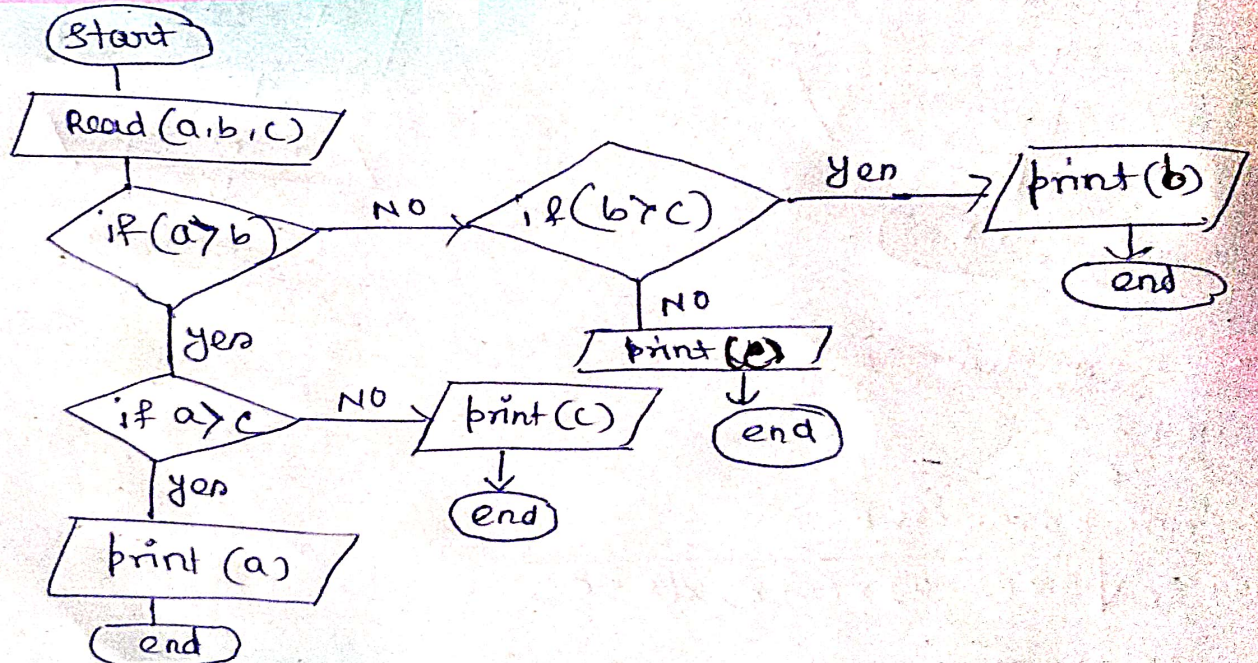
⑥ Print 1 do n :—
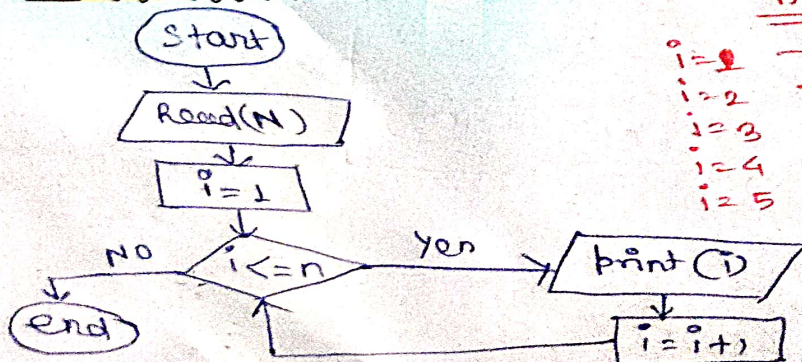
$n = 5$

$i = 1 - 1 \le 5 \checkmark \rightarrow 1$
$i = 2 - 2 \le 5 \checkmark \rightarrow 2$
$i = 3 - 3 \le 5 \checkmark \rightarrow 3$
$i = 4 - 4 \le 5 \checkmark \rightarrow 4$
$i = 5 - 5 <= 5 \checkmark \rightarrow 5$
$i = 6 - 6 \le 5 \times \rightarrow$ end

output

Start

Read (N)

$i = 1$

NO ← $i <= n$ → yes → print (i)

end

$i = i + 1$

N = 3467 → 6, 4

Start

Read (N)

N > 0 → NO → end

yes

dd = N%10

(dd % 2) = 0 → NO

yes

print(dd)

N = N/10

$$3467 — dd = 7 \quad 7\%2 = 1 -$$
$$346 — dd = 6 \quad 6\%2 = 0 \checkmark$$
$$34 — dd = 4 \quad 4\%2 = 0 \checkmark$$
$$3 — dd = 3 \quad 3\%2 = 1$$
$$0 \quad \times$$

$$3467/10 \Rightarrow 346$$
$$3467\%10 = \boxed{7}$$
↓
Last Digit