

'22 JANUARY

Week-3rd (013-352)

13

THURSDAY

Two Thousand Twenty Two

Assignment - 2

1. Write the Algorithm and draw the flowcharts for the following:

a) Print even numbers between 0 and 99

Ans:→

Algorithm

Step-1: Start

Step-2: $i = 0$

Step-3: ~~While~~ $i <= 99$

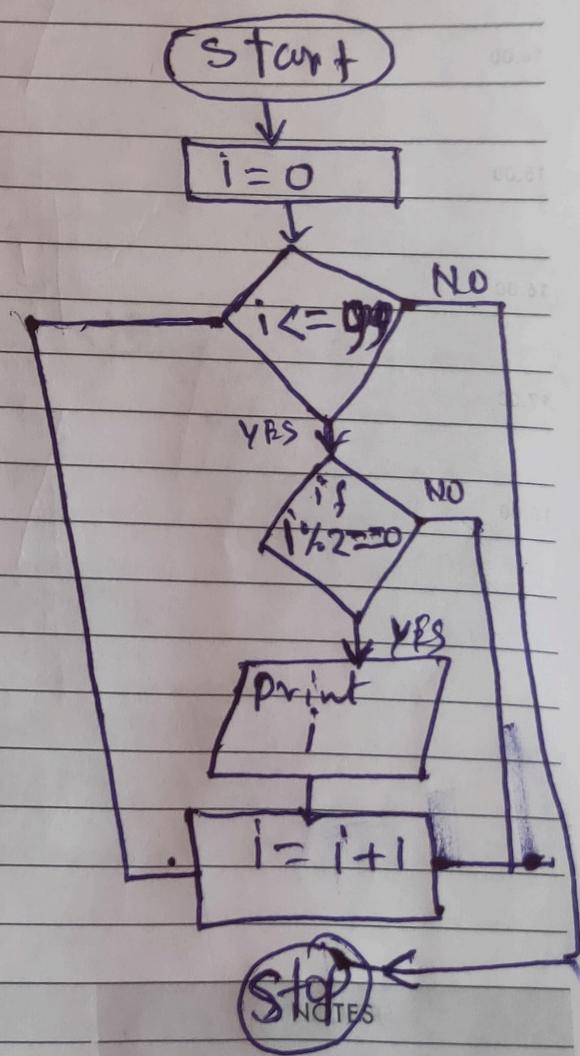
Step-4: if $i \% 2 == 0$

Step-5: Print the number

Step-6: increment value of i ($i = i + 1$)

Step-7: Stop

Flowcharts



PRIORITY

APPOINTMENTS

STOP
NOTES

'22 JANUARY

Week-3rd (015-350)

15

SATURDAY

Two Thousand Twenty Two

09.00 b) Print odd numbers less than a given number. It should also calculate their sum and count.

10.00 Ans →

11.00 Algorithm

Step-1: Start

Step-2: Read number, Count,

13.00 SUM, number \rightarrow n, i,

Step-3: Read, $i = 0$

14.00 Step-4: if $i < n$

Step-5: if ($i \% 2 == 1$)

15.00 Display i

Step-6: $SUM = SUM + i$

16.00 Count = Count + 1

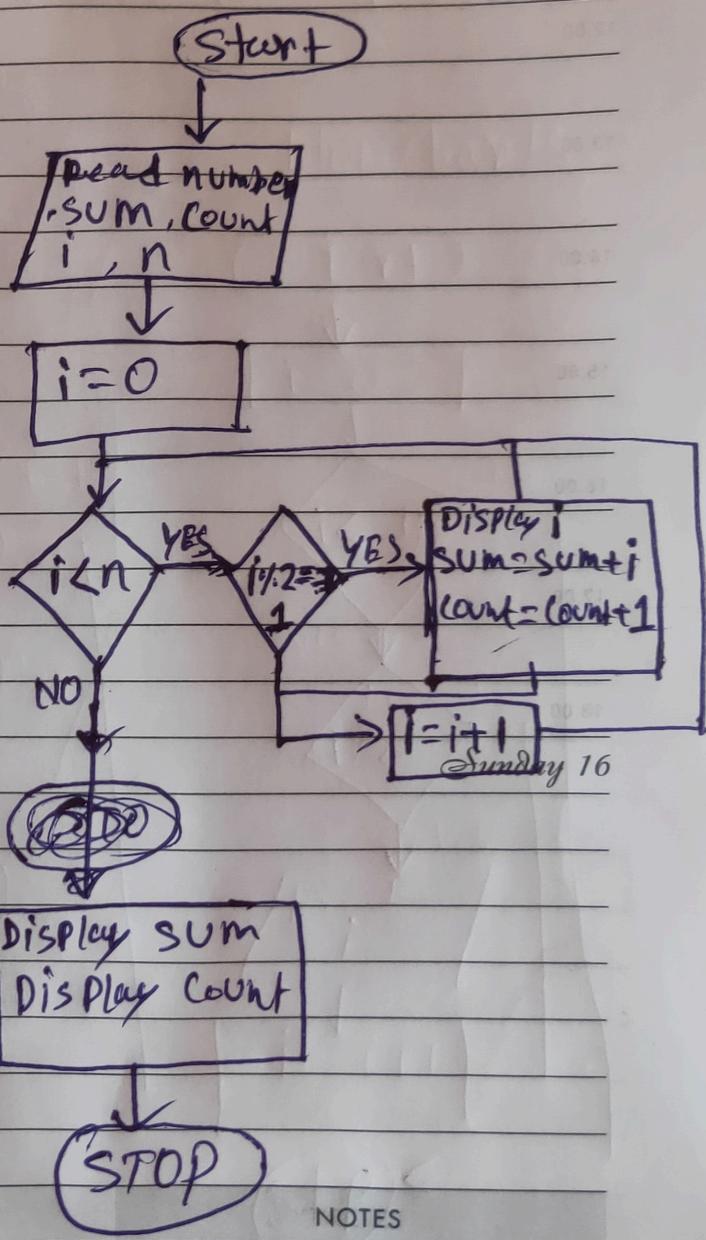
17.00 Step-7: $i = i + 1$

go to Step-4

Step-8: Display SUM
Display COUNT

Step-9: End

Flowcharts



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Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th Fr Sa Su Mo Tu We Th
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 • • •

FEB
2022

22

22 JANUARY

Week-4th (018-347)

Two Thousand Twenty Two

TUESDAY

18

Q) Calculate the average of 25 test scores.

Ans: →

10.00 Algorithm

Step-1: Start

Step-2: $sum = 0$,

12.00 $I = 0, N = 25$

$Avg = 0$

Step-3: Input I^{th} Exam Scores 'S'

Step-4: $sum = sum + S$

14.00 Step-5: $I = I + 1$

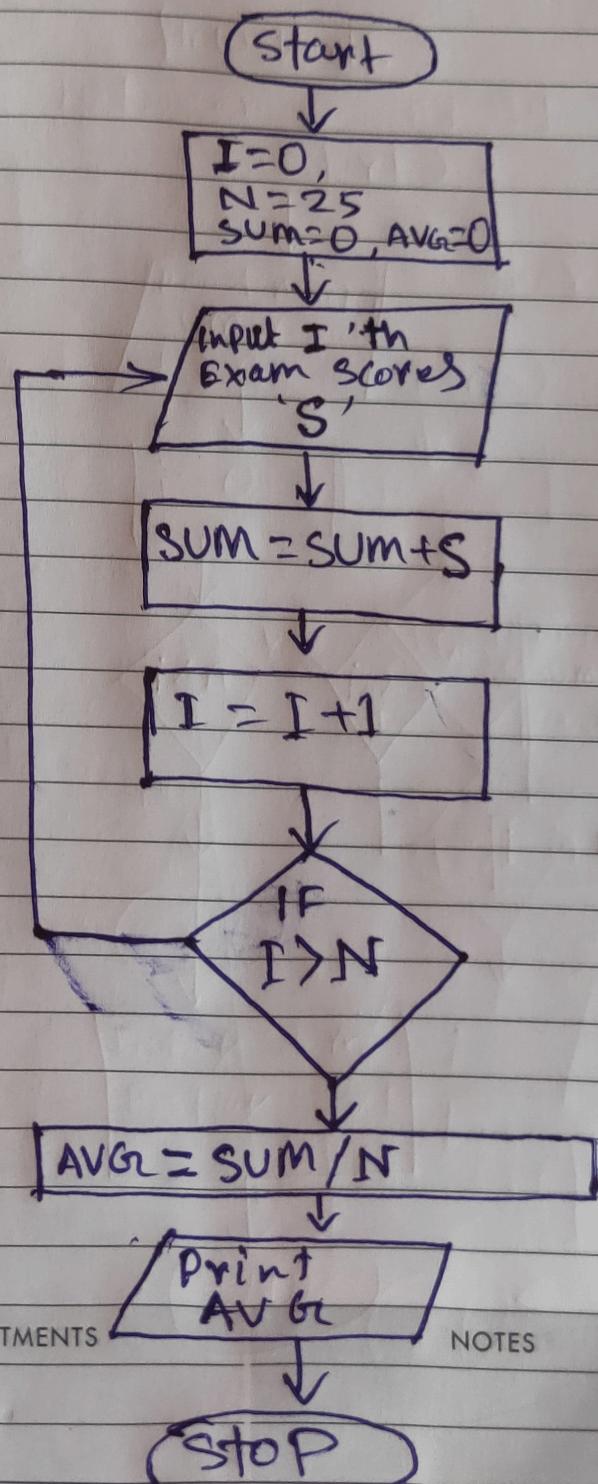
15.00 Step-6: ~~IF, $I > N$~~

16.00 Step-7: $Avg = sum / N$

17.00 Step-8: Print Avg

18.00 Step-9: Stop

Flowcharts



PRIORITY

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Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th				
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

FEB
2022

22

9-346)

'22 JANUARY

Week-4th (020-345)

Two Thousand Twenty Two

20

THURSDAY

09. d) Print table of any number N (say 7)

Ans: →

10.00 Algorithmflowcharts

Step-1: Start

Step-2: Read a number N 12. Step-3: Variable $i=1$ Step-4: Table = $N \times i$ 13. Step-5: if ~~$i > 10$~~ or $i \leq 10$

Step-6: Print table

14. Step-7: $i = i+1$

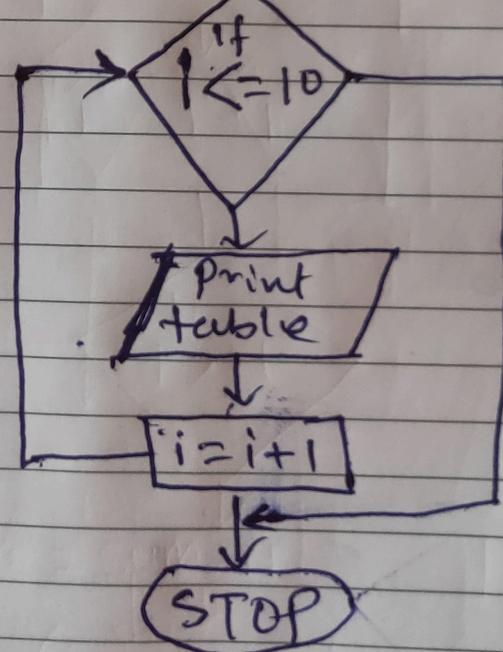
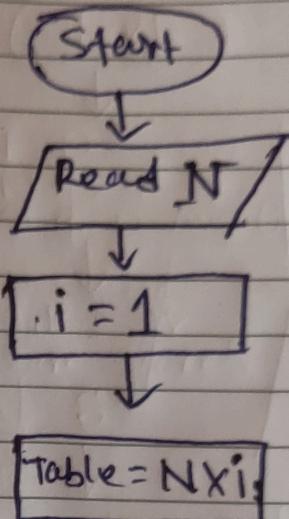
Step-8: STOP

15.00

16.00

17.00

18.00



PRIORITY

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Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	FEB 2022

21

FRIDAY

Two Thousand Twenty Two

JANUARY '22

09.00 Q) Check if the given number prime or not.

Ans: Algorithm

- Step-1: Start
 Step-2: Read the number is n ; Set $i=1$
 Step-3: and set $i=1$
 Step-4: until $i < n$, repeat steps
 Step-5: if $n \% i = 0$
 print "prime numbers"
 Step-6: if set $i = 2$
 print "Prime number"
 Step-7: otherwise
 print "not a Prime number".

PRIORITY

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N	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo
22	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17

'22 JANUARY

Week-4th (021-34)

Two Thousand Twenty Two

22

SATURDAY

JANUARY

Week-4th (022-34)

09.00

10.00

11.00

12.00

13.00

14.00

15.00

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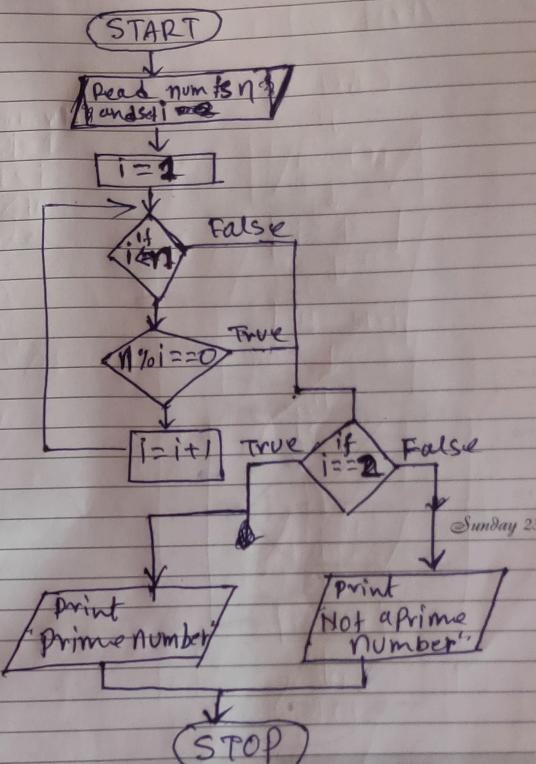
28.00

29.00

30.00

31.00

22



FEB 2022

Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th	Fr	Sa	Su	Mo	Tu	We	Th				
01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28

'22 JANUARY

Week-5th (025-340)

Two Thousand Twenty Two

TUESDAY

25

09.00 f) Find odd numbers backward from 99 to 1.

10.00 Ans: →

Algorithm

Step-1: Start

Step-2: ^{Read} variable i

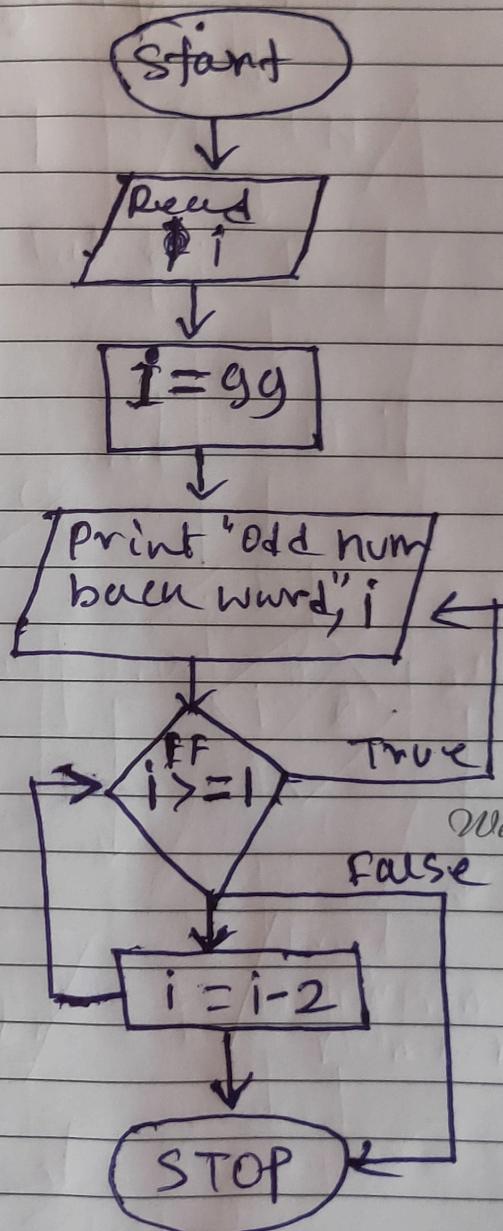
Step-3: $i = 99$

Step-4: Print odd num backward, i

Step-5: IF $i >= 1$

Step-6: $i = i - 2$,
go to Step 5

flowcharts



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