

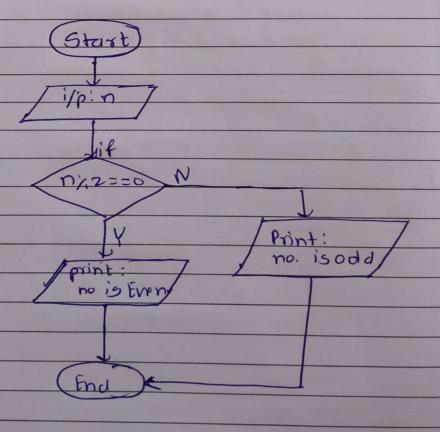
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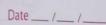
(g. 1) Algorithm and flowchurt to check if no. is even

Agonithm: -

- 1) Stort
- 2) Take ilp no.
- 3) check if no. is divisible by 2
- 4) If yes then Even
- 5) If no then odd
- 6) End

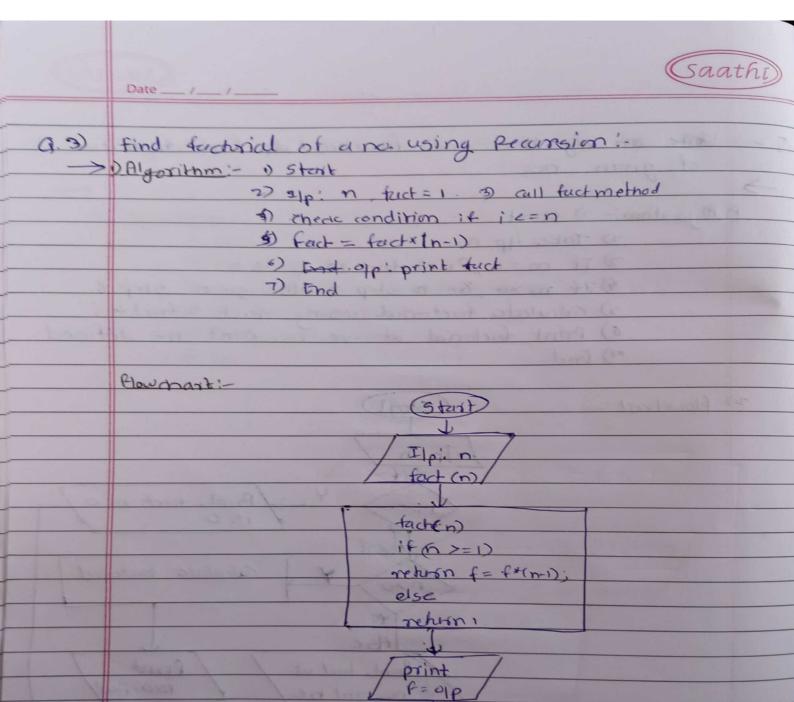
2) Plan chart:







g. 2.	Write an algorithm and flowchard to find factorial. of given no.
>	The same of the sa
1	Algorithm: 1) start
	2) Take ip no.
	3) If no =0, Print fact of a is o
	\$) If no >0, Go to step 5 else go to step 6
	5) (abulate factorial using fact = fact xi
	5) (aculate factorial using fact = fact x i 6) Print factorial of -ve no. (an't be defined.
	9) End.
	- draw theoth
2)	flowrhast: - Sterst
	filpin.
	Ton A Jif
	Print: feet of o
	150
	eseif
	n>0 Y Calculate footosial
	YW
	lese J
	Print: tact of / Print:
	/-reno.cantbe/ tachriel
	/ determined /
	(Ind)
	End

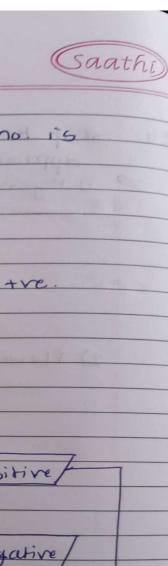


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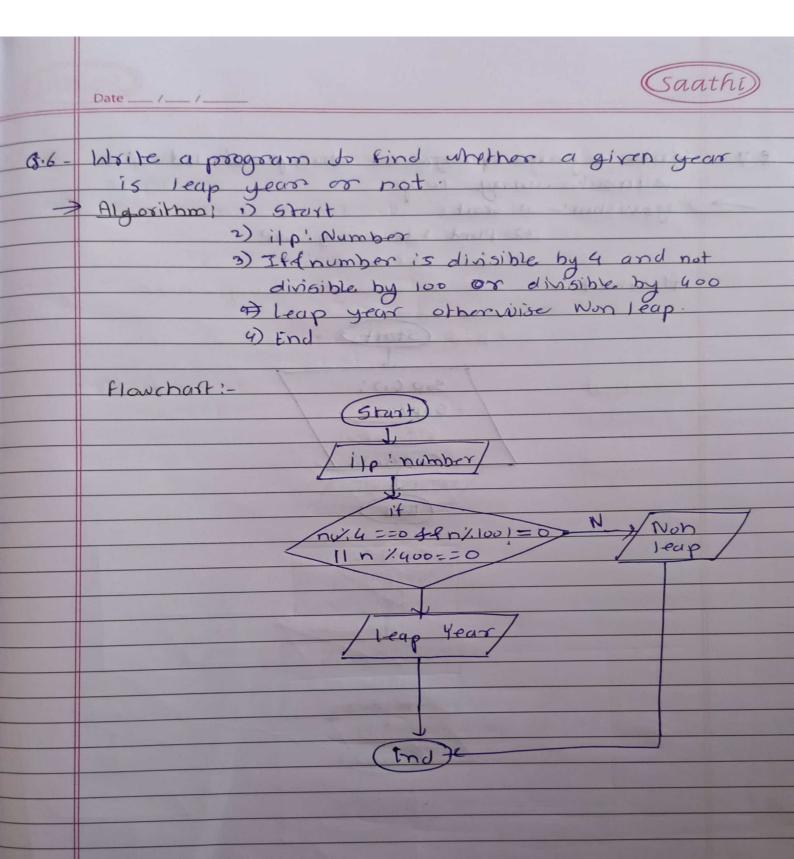
(Saathi) 94. Swap hoo no without using the third variable approach. D Algorithm: - D Start 2) Take ije 2 hos. 3) n=n+y
y=n-y

7x = n-y 4) print r and y 2) Plowchast !-Page No.

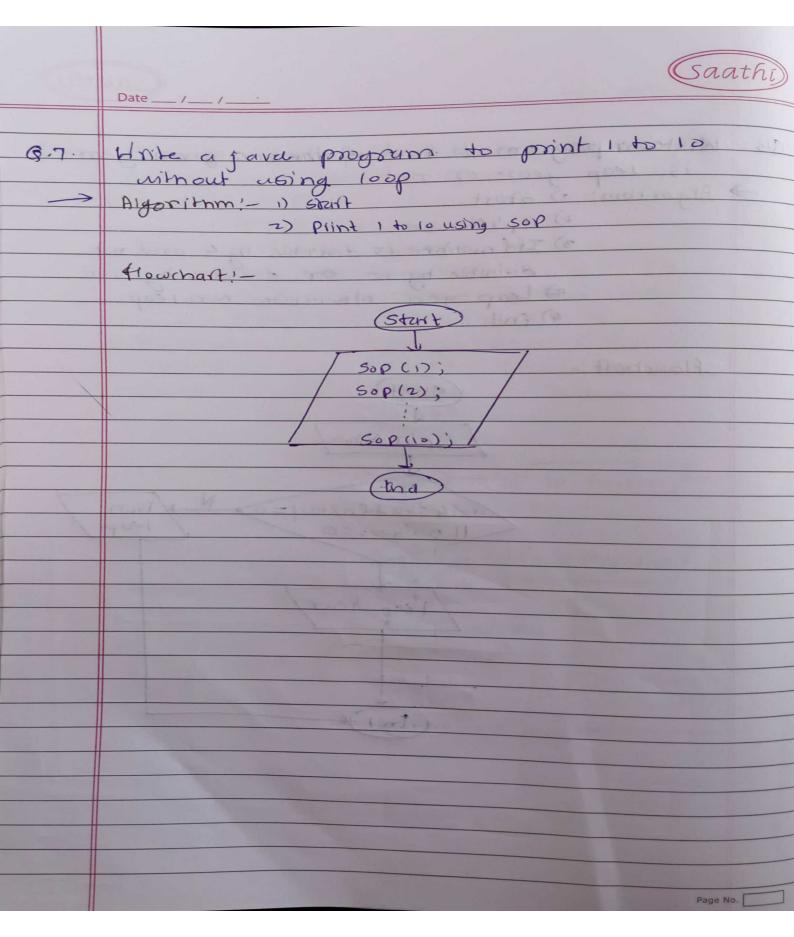


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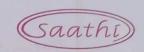
Date ___ / __ / ____ G.5. How to check whether the given no. is positive or negative in java. D) Algorithm: - D Stort 2) ilp: number 3) if n>0 - positive 3) if n = 0 - negative 5) if n = 0 - Neither -ve nor 2) flowmant: Start 1/p: Positive ofpi Negative Neithor - ve



Page No.



Date ___ / ___ / ___



given no.

Algorithm: - 1) Start

3) Ilp: number

3) while n:=0 - d=n/10;

n=n/10;

bassit +

4) End

flow chart:-

Struct

Jip: Number

while

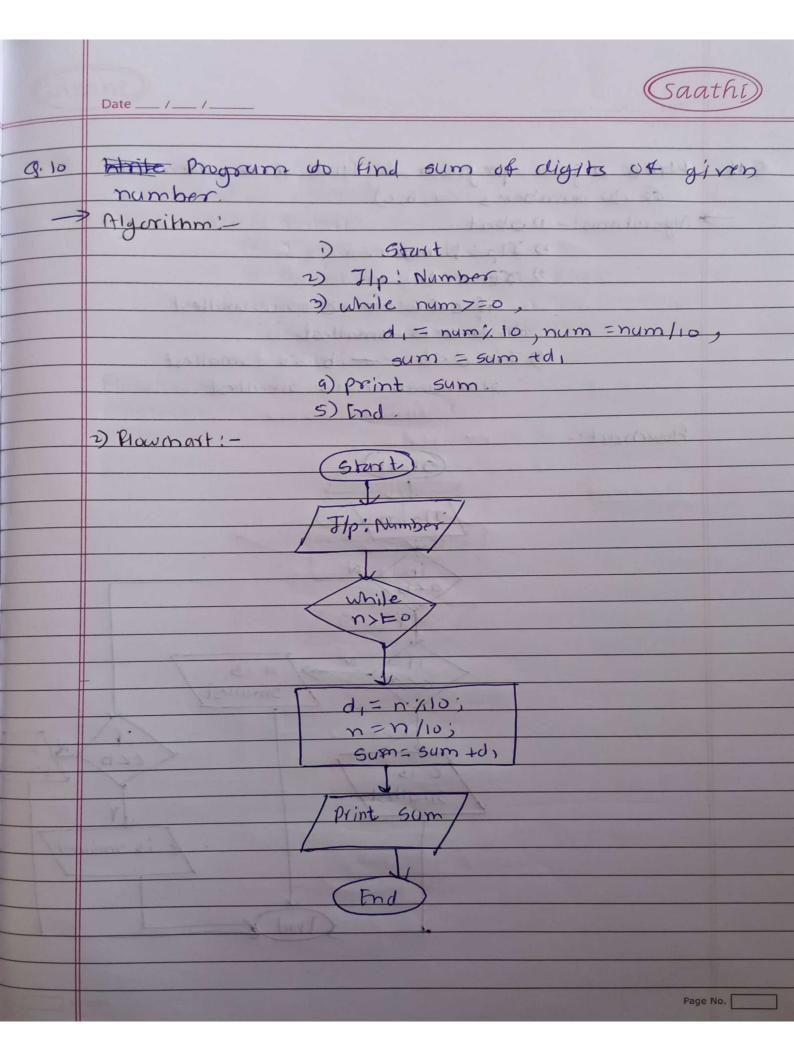
n!=0

d= n'x10 i

n= n110;

Ind

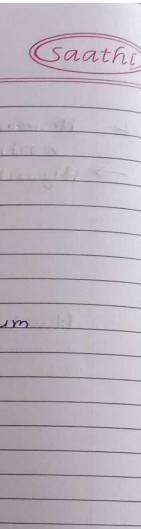
Gaathi Date ___ /___ /____ Write a program to print all the factors of 9-5 given number Algorithm: 1) Start 2) for 7:1p: number n 3) for i=1 to n if n is divisible by i tren printi 4) Find. flowchast! -7/p: number, for (i=1; ian; i++) Page No.



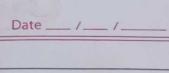
(Saathi) Date __ / __ / ___ Q11 Hote a javo pragram to find the smallest of 3 numbers (a, b, 4) Algorithms: - Distort 2) TIp: Number 3) of acb; if cka - c is smallest other a is smallest 4) If ccb - b is smallest otherwise e is smallest. flowmaxt:-Smallest, 5mallet (Find)

(Saathi) Date ___ /___ /___ How to add two nois without using the anithmetic operators in javas Algorithm: -1) Start

2) The isNumber a 4 b 3) Increment a till b 9) Print a 5) End. Flowchart :-Increment a Page No.

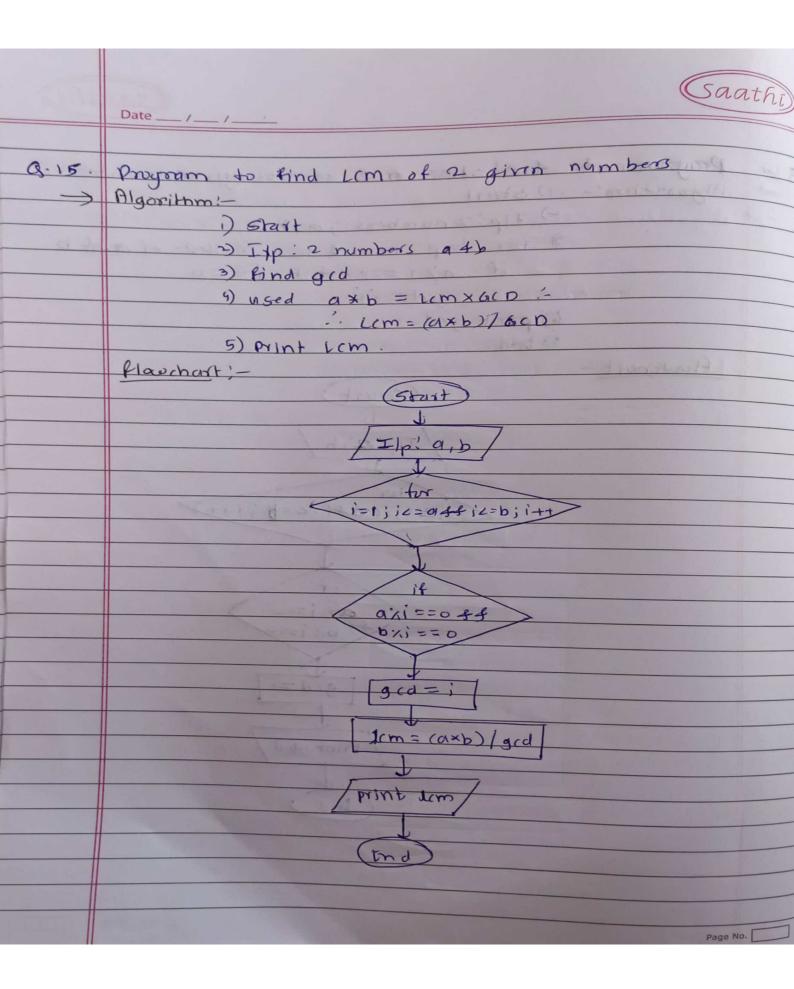


	Saathi
	Date / /
Q.13.	Program to reverse a given number. Algorithm:
	Higoriann:
	D. Start
	2) 71p: number nym
	3) while num 1 =0
	-get læst digit form soum
	- d = num /10.
	$\gamma_{eV} = \gamma_{eV} * 10 + d$
	-remove last digit from num
	num = num/10
	9) print rev.
	5) End
	Flowchast;
	Start
	Ilp: number
	white
	n;=0/
	d = mim /10
	161 = 161 ×10 +9
	num = num/10
	10-11-1
	Print rev
	(End)
	Page No.

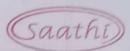




	Date/_/ (Saathi)
9-14	Program to find the GCD of two given numbers ? Algorithm: - 1) Start - 7 71p:2 numbers, a,b.
	3) for loop from I to smallest of a to b
	if a'x i == 0 \$4.b'x i==0
	g(d=i)
	4) print gcd
	5) trd.
	flowchart:
	(Sturt)
	TIp: a,b/
	/ t/p. (C+, D /
	tor
	(it 1; i L 2) \$ i L = \ ; i + + }
	it
	33 b/1 i==0
	10/11==9
	g(d=)
	Print gcd
	(Ind)



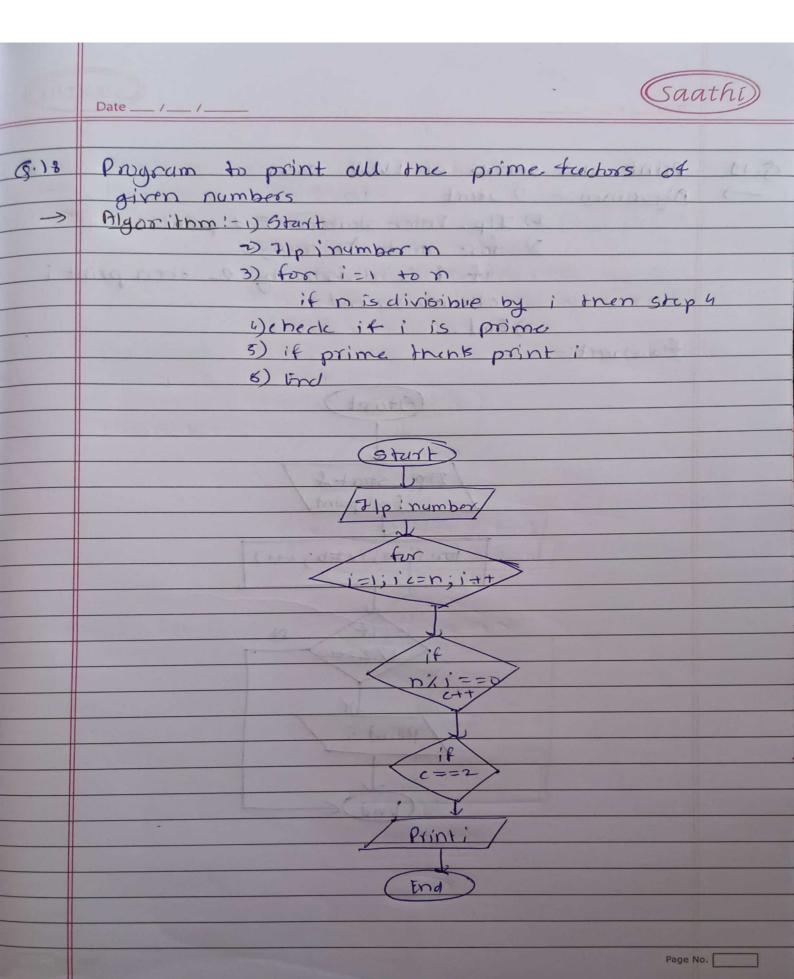


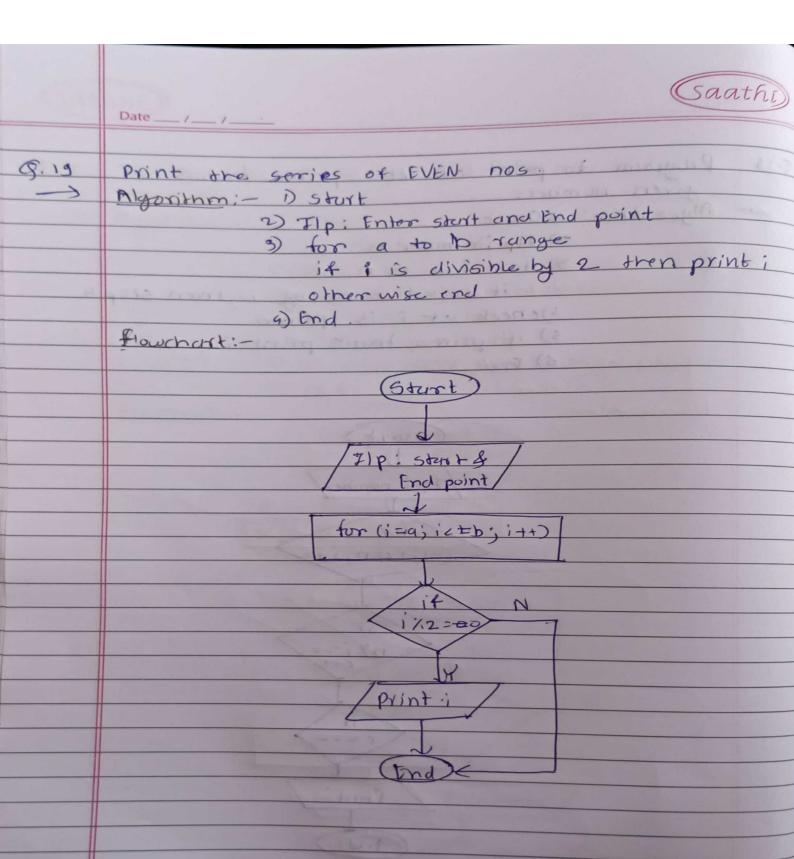


	Date / /
6.16	program to 4md LCM of 2 given no. using
	the prime tudors method.
->	Algorithm! - 1) stort
	2) 2/p: 2 numbers a,b
	3) find factors of given nos.
	4) If an 4 b are divisible by a factor
	which is equal to yed
	5) Olp: multiply 2 nos. divide by ged = 4km
The said	print Lcm
	8) end.
	flowchart!
	Shurt
	/71p; a,b/
	tor (i 1=a 34 i 2=b)
	it
	a'i, ==0 83 bxi ==0
	b×1 = = 0
-	gcd=i
4,00	
-	Lcm = (a*b)/gcd
	Imint icm/
	The same of the sa
	(6.4)
	(Fnd)



	Saathi
	Date / /
9,17	cherk whether the given no. is a palindrome
	Algorithm: - D Start
	2) 7/p: Entornum n pre
	3) white num is not equal to 0
	get last digit of number
	rev = rev x 10+d
	remove last digit
	9 it num = rev tren its a palindrome
	5) end-
	flowchart:
	(Start)
	/ Ilp: num/
	white
	n3=0
	d= p/10
	10-14 Ver=10-1
	1 10
	Not Not
	num==vev Palindrem
	Ty .
	Print Palindrome
	(Fna)
	() in a
	Page No.





Page No.

