Assignmen 1

*	
to recognize the state of the s	Check If the given number is Even or odd
	Step 1 - start the program
	Step 2 - Read / input the number.
	step 3 - if n:12=0 then number is even
**	Step4 - else number is odd
	step 5 - Display the output
	Step 6 - Stop the program
2	a java program to find the factorial of given number.
•	
,	Step 1 - Start the program
•	
	step 2 - Declare variable n, fact, i
*	Step 3 - Take input from user
-	Step 4 - Initialize Voriable fact = 1 & i=1
V	Step 5 - Repeat until ic= number
	fact = fact xi
	i = i+1
	Step 6 - Print fact
11	

	EATE / / / /
	Step 7 - stop the program
8	find factorial of a number using Recursion
	Step 1 - Start the program
	The second secon
	Step 2 - Enter the number.
	Step3 - if n=1 then
	Return 1
	else
	Return nx factorial (n-1)
	Step 4 - set fx-1
	If n then
	set f = factorial (n)
	Step 5 - Print factorial
	Step 6 - stop the program.
4	Swap two numbers without using the third variable approch.
	stepl - stort the program
	Step 2 - Enter the numbers num 1 + num 2
	step3 - point the numbers num1 form2

	DAGE 10 DATE
3.	cp 4 - num1 = num1 + num2
3)	12 - num2 = num1 - num2
S	(p6 - num1 = num1 - num2
2.	rep7 - Print the values of numi & numi
S	tep 8 - Stop the program.
	tow to check whether given number is positive or negative in Java.
	Step 1 - Start the program. Step 2 - Enter, the number
	step 3 - if number > 0: is positive
	step 4 - else if number <0 is negative.
s	tep 5 - else if number = 0 is neither negative nor positive.
- s	step 6 - Print result
	Step 7 End the program
=	

True to 1

Java program to find whether a given Write a is leap year or not. number Start the beodean Strp 1 Enter the year Strp 2 Check if year is divisible by 4 but not check if year is divisible 100 400 Leap year Point print non-leap year step 4 else Stop the program. Step 5 a I and bedsom to being 1 to 10 Write loop. using the bacdaces. - start Strp 1 Declore U = T Step 2 fairg Step 3 -(n<=10) 0+1 Step 4 stop the program

	FAGE No.
11	write a program to find the smallest of
	3 numbers (a,b,c)
	step 1 - Start the program
	step 2 - Enter number a, b, c
	a) - 2 (a + 1 2 (a + a 2 a + a 2 b + c 1) +
	Strp 3 - (a < b ? (a < c ? a : c) ; (b < c ? b : c));
	Step 4 - print smallest number
	step 5 - End the program
12	How to add two numbers without using arithmetic
	operator in java.
	Step 1 - Start the program
	visition in the second
	Step 2 - Enter number a, b

	PAGE NO DATE
9	Write program to print all factors of given
	Step 1 - Start the program
	Step 2 - Declare variable i & n as integer
	step 3 - Enter number n
	Step 4 - for(i = 1, i <= 0/2, i++)
	step 5 - if ny. i == 0
	Step 6 - print i
	step7 - stop the program.
	Write a program to find sum of digits of given number
	Step 1 - Start the program
	Step 2 - Enter the number o
	step3 - Print remainder of the number. m = ny.10
	stip 4 - Sum = Sum + m
	step 5 - Divide number by 10

	step 6 - Repeat step & while number is greater than zero
	step 7 - Print Sum
	steps - stop the program
13	Write program to reverse given number.
	step 1 - start the program
	stepz - Enter the number.
	Step 3 - Ste set rev = 0
	Step4 - if n70
	Step 5 - rev = (xxxx10) + (ny.10)
	Step 6 - Print reverse number stored in rev
	Step 7 - stop the program
14	Write Java program to find GCD of two given numb

free m/

17	check whether the given number is parindrome or not.
	step 1 - start the program
	step2 - Enter the number
	Step 3 - Store the number in temporary variable
	step4 - Reverse the number
	step 5 - compare temporary number 4 reverse
	Step 6 - if some print Palindrome number
	Step7 - else print not palindrome number
18	write program to print all the prime factors of given number
	Stepl- start the program
	Step2 - Enter number n
	Step 3 - check if n has 2 prime factors
	Divide 1/2 check remainder is 0
	Step 4 - theck for odd prime factors of n
	Divide 0/3 check temainder is 0

	DATE
	step 5 - n is greater than 2 then n is a prime number with a power of 1
	Step 6 - Print factors
	Step 7 - Stop the program
19	To point the series ern number 2,4,6,8,10,12,11
	Strp 1 - start the program
	Step 2 - Initialize n=2
	5tcp3 - while 0 <=100
	Step 4 - Print n
	Step 5 - stop the program
20	To point the series odd number 1,3,5,7,9,11,13.
	Step 1 - start the program
	Step 2 - i = 1
	Step 3 - 1 1.2)= 0
	Step 4 - Print ;