

| | Date |
|-----|---------------------------------------|
| _ 3 | factorial of a number using recursion |
| | shpl: start |
| | 2: Read number |
| | 3: call factorial (n) |
| | 4: print factorial |
| _ | 5: ctop com set to the to |
| | factorial(n) |
| | skpl: if n==1 (then return) |
| | 2: else |
| | f=n+factorial (n-1) |
| | stipa: Reterm f |
| | Von Asia III |

| 4. | Algorithm Algorithm |
|----|--|
| 1) | start |
| 2) | Enter two numbers no, n2 |
| 3) | print number nik nz |
| 5 | M = N1 + N2 |
| | $n_2 = n_1 - n_2$ |
| | $n_1 = n_1 - n_2$ |
| 5) | print ni & nz |
| 6) | End |
| | The total and the tenter of tenter of tenter of tenter of tenter of tenter of tenter o |
| 5 | How to check the given num is the or me |
| | in java s |
| .\ | start man relation (start) |
| 25 | enter thenumber / enter num |
| 3) | check number >0 |
| 4) | if true then + renumber num zo |
| | otherwin number is -ve |
| | true |
| | +nnum! |
| | |
| | admir ario la linib la ma (end) ma |
| 6 | Pind whether giren-number is leap year or NOT! |
| | 1) start redominant mine |
| | 2) enter the number |
| | 3) that whithe number is de leap your ornot |
| | by dividing the number by 4, 100 & 400 |
| | g if num divisible by 4 but not 200 then it is a lea |
| | year men |
| 9 | 5) Alon if number divisible by 46200 4400 they |
| | it is a leap year |
| 1 | e) else not à leap year |

| print 1 to 10 with | out using loop |
|--------------------------|---------------------------|
| 1) start | |
| 2 initialize r-1 | AND IN THE REAL PROPERTY. |
| 3) print to 1 | p) beint (|
| 19) K - K + 1 | 18) k= k+1 |
| 5 print 10 | 19) print t |
| 2) K = K+ 1000 (8 | 20) K = K+1 |
| 7) print k | 21) printy |
| $\frac{1}{9} k = k + 1$ | 22) end |
| 1 2 Print Carl Horn | |
| 10) K = K+1.00 | |
| print 10 | |
| | |
| 13 print k | |
| 119) K = K + 1 | |
| (15) point k | |
| (14) $k = k + 1$ | |
| | |

| MAP |
|---|
| gue & point dégit of girn number 1) stort |
| 1) stort |
| 2) on her the gummumber |
| 2) enter the gummumber 3) calculate remainder |
| rem = num / 10 |
| 5) then divide number by 10 |
| num'= num/10 |
| 5) then print rem |
| 2 repeat step 3 to 5 until n=0 |
| |
| greg print all factor of girn number |
|) Start |
| 2) enter number |
| 3) calculate remainder from i=1 to i= num |
| |
| rem = num/i |
| i++ |
| |
| Hun print i |
| 5) end |
| |
| 0 in 1. |
| 9.10 find sum of dégit of giren number |
| 1) Steart 1 gran number |
| Denter the number |
| (a) (a) and raminder |
| 1111) - 11100 11 - |
| In Halintake sum = 0 then |
| THE O THE M |
| TIM |
| |
| 5) print sum |
| 6) Drint and July Fill Dawn - |
| |
| 17) end reay qual to have such |
| |

| | 1 1 a number (a/b/C) |
|--------------|--|
| - 11 | find smallest of 3 number (a,bic) |
| | 1) start |
| | 2) enter number a, b, c |
| | i i i a c h d a c c |
| | a if condition is true, a is smallest it condition |
| | is but falk the |
| La Estado de | Theck if bus was than case bis less than a suf- |
| | b is Smallest |
| | elu c is smallest |
| | 6) stop |
| | |
| 13 | add two number without using the onthrule |
| | operators in java? |
| | 1) start |
| | 2) enter number |
| | 3) calcutate x - Mys remainder |
| | print on |
| | Rem - no/010 |
| | print rem |
| | then calculate n=n/10 repeat until n=0 |
| • | a) end |
| | |
| 14) | find GCD of top given number |
| | 1) Sturt |
| | 2) Detlare too variable nx/n2 |
| | gcd = 1, i=1 |
| | 3) Input nin |
| | of wheek if ic-nieis-nz |
| | IF Yes |
| | if n17. i==0 && n2 1/1 ==0 |
| | if yes ged=i |
| | if yes ged = i paint intity i = i + 1 |
| | |
| | if No. |
| | i = i + l |
| | |

| IA NO |
|--|
| print ged |
| rend |
| |
| Algorithm to calculate LCM of two number |
| 2) intialize too variable num! se num? |
| 3) find & store maximum of num, enum |
| to seperate value variable consider max |
| max is divivible by both number then |
| s) print it |
| is condimax not divisible by an num, & num, |
| then my increase max by I unit max is |
| e) end |
| p) end |
| 16 calculate icm of two number using prime forlar method-1): start 2). Input 21 & 22 |
| 2 - Find prime factorization of each number |
| a - write each number as a product of primes |
| 5- common factor take only once |
| 6 - Lan 1s multiplication of prime factor |
| 7 - end |
| a company of the second of the |
| 17) Algarithm to check number is padatorome or not |
| 1. in start |
| 2. Input number |
| 3 screen the number |
| = 4. if reverse number = number |
| then number & palintrome palintrome |
| etherois else not paliphrone |
| end. |
| |

18) Ustart 2) Input number N 3) check if the number N has 2 as a prime factor Do this by continuously dividing N by for odd prime ntinuously dividing N not equal to o thin in on it is factor than check it print valle of pri if it algorithm to print initialise variable i tol e also initialize up to what number series is printed r) print number = in cocament value of e

| | Date |
|---------|---|
| 20 | Algorithm to find odd number scrip 1,3,5,7, |
| | 9/11/13/ Dstart |
| | 2) initialin j-0 |
| | 3) Check whether i = 100 reached |
| | if Yes > stopthe program |
| | if fru print i |
| | else compute i = i+1 |
| | 1) Stop |
| 4.5.586 | |