4

Ain : Write an Alogorithm a Simple Calculation

Algoorithm:

Step-1: Start

Step-2: Declare variables num 1, num 2, result, Operator, Choice.

Step-3: Write "Select Operator".

Step-3.1: Werite "1. Add

Step-3.2: Write 2. Subtract

Step - 3.3: Werite "3. Multiply"

Step-3.4: Wesite "4. divide"

Step-4! Write "Enter a choice [1/2/3/47".

Step-4.1! Read Choice.

Step-5: Werite Enter a finst numbers

Step-5.1: Read num 1

Step-6: Write Enter a Second number

Step-6:1: Read num 2

Step-7: Call operator by using Switch-function

Step-7-1: Openator = Switch (choice: +", -", "*, 1')

Step-8: Call Add-function (x+y)

The state of the s

Step-9: Call Subtract (x-4)

Step-10: call Multiply (x*y)

Step-11: Call Divide (x/y)

Step-12: Print newilt

Step-13: Stop

15

Aim: Waite a R program to find the Sum of natural numbous.

The state of the s

Algorithm:

Step-1: Start

Step-2: Declare variables num, sum

Step-3: Read Values num

Step-4: Assign the nesult to Sum, num

Sum = Sum + num

num = num -1

Step-5: Display Sum

13

Ain :- Weite a R Program to find HCF.

Algoon thru:

Step-1: Stoot

Step-2: Declare num1, num2

Step-3: Worite "Enter Finst number.

Step-4: Read num 1

Step-5: Write "Enter Second number"

Step-6: Read num 2

Step-7: Call HCF ()

Step-7.1: if (x>y)

Step-7-1.1: Smaller = y

else

Step-7-2: Smaller = 26

step-7.3: Foon i=1 to smaller

Step-4.3.1: if (x1/.1/.i==0) 22 (41/.1/.i==0)

Step-7.3.2: hcf = i

Step-8! Return hof

Step-9: Point the hCf

Step-10: End.

(21

Aim: Write a R program To-find the factors of a number

-: mat ireoglA

Step-1: Stant

Step-2: Declare Variables, X, i

Step-3: Initialize Variables

-factor 4-1

Step-4: Read Value of X

Step-5: Repeat the Steps Until 1:x

Step-6: Display factor

Aim: Worite a R program to Print the Fibonacci Sequence.

Algosithm:

Step-1: Start

Step-2 : Declare variables n1, n2, ... n terms, count.

Step-3: Read the n terms values.

Step-4: if (n terms <=0)

Step-4.1: Write "Enter positive integer.

Step-s: else

Step-5.1: if (ntoms===1)

Step-5.1.1! Write "fibonacci Sequence".

Step-5.1.2: Display ni, ne

Step-6: While count 1 n terms

Scanned with OKEN Scanner

Step-6:1: nth = 111+ 12;

Step-7: Display nth

Step-8: n1=12

Step-9: end loop

Step-10: Stop.



Aim: Write a R program to take 1/P from User.

Algonithm:

Step-1: Stout

Step-2: Declare Variable name, age

Step-3: Read name, age.

Step-4: Display name, age

2

Aim: White a R Program to find minimum and maximum.

Algorithm:

Step-1: Stant

Step-2: Declare Variables x, y

Step-3: Read values of and y

Step-4: x and y and assign the result to minimum.

The state of the s

Step-5: Display minimum or maximum.

8

Asm: Worite a R Program to Check for Leap year.

Algorithm:

Step-1: Stant

Step-2: Declare year

Step-3: Write Enter a year

Step-4: Read Year

Step-5: if (year 1/. 1/.4) ==0)

Step-5.1: if (Year 1/.1/100 ==0)

Step-5.2: if (Year 1/. 1/. 400 ==0)

Step-6: Display Leap Year

Step-7: else

Step-8: Display not leap year

Step-9: Display Leap Year.

else not leap year

Step-10: else

Display Not Leap Year

have been and and and the state of the same blocked been exceeded and the property of the same of the

Step-11: Stop.

(9)

Aim: White an Algorithm to check Whether a number enter by user is Prime or not.

Algorithm:

Step-1: Stant

Step-2: Declare Variables n, i, flag

Step - 3: initialize vaniables
flag -1

i -> 2

Step-4: Read n from usen

Step-5: Repeat the Steps until i<(n/2)

Step-5.1: if eleminder of n+i Equals of flag = 0

go to Step 6

Step-5.2: 12-141

Step-6: if Hag = 0

Display n is not prime

else

Display in is prime.



Armstrong or not.

Algorithm:

Step-1: Stant

Step-2: Declare Variables Sum, temp, nom

Step-3: Initialize vaniables digit

digit = temp

Step-4: Read number from User

Step-5: The Steps is temp>0

Step-5.1: It oreminder of Sum = num

Display is Armstrong

else

Display is not Armstrong



Aim:- Wesite a R program to Soort A vector.

The state of the s

Algorithm:

Step-2: Declare Variable X

Step -3: Read the Values

Step-4: Display the nesult

Step-5! Stop.

12

Aim: Write a R program to creating the Data for Bon chart.

Algonithm:

Step-1: Stant

Step-2: Declare Variable H, M

Step-3: Read Value H, M

Step-4: Condition file = ("box - Properties. Png")

Step-5: Display the Chant

113

Min: White a R Program to creating A Simple of 100 numbers which are incremented by 1.5

and the state of t

Scanned with OKEN Scanner

Algorithm:

Step-1: Stant

Step-2: Declare Variables X, y

Step-3: Read the Value x, y

Step-4: file = "dbinom . Png"

Step-4.1: Plot (x,y)

Step-5: Display the Banchant

114

Aim: Worite a R Program to creating Input vector for Im().

The same of the sa

Algorithm:

Step-1: Stant

Step-2: Declare Variable x, y

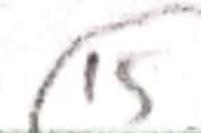
Step-3: Read values X, y

Step-4: Method Apply

Model = 1m (y~x)

Step-5: Display snewlt.

A THE RESIDENCE OF THE PROPERTY OF THE PROPERT



Aim: Wanite a R Program to find the frequence of a digit in the number.

The state of the s

Algorithm:

0

0

0

-5

-)

Step-1: Stoot

Step-2: Declare Variable n, nom, digit.

Step-3: Read the Value digit num.

Step-4: Assign the nesult

num >0

num 1/. 1/. 10 = = digit

Step-5: Display nesult digit