paperism.

Date: / /

a=100 b=20 O/P = 120 atb 80 a-b 2000 axb a%% b Area of triangle: 0/P=> 15 b=10 43-30127 c = 10 S=(a+b+c)/2 forint (s) A = sgrt (s*(s-a)*(s-b)*(s-c)) forint (A) Area of cincle: n = 3 Pi = 3.1416 OP => Area of Circle = 28.26frank (faste (et Area of circle: ", Pi *r*r)) Suappingnumbers; a=10 > temp=a dr = 20 frint (faste (ee Before swapping: ", a, b)) b=temp freint (faste (cafter Swapping: ", a, e))

paperism. Date: / / Dutput: Before Swapping: 10 20 After Swapping: 20 Average Marks: name = readline (fromfit = "Infutname:") age = readline (fromfit = "Typut age:") frint (faste (certy name is ", name, cand I am", age eeycarsold.")) m1 = as numeric (readline (frompt= ee S1: ")) m 2 = as, numeric (readline (forompt = "SZ:")) m3 = as numeric (readline (fromfit = "53:")) avg = (m1 + m2 + m3)/3

fount (paste (ce Average marks in thru subjects: "ang))

O/P => Input name: Brigian Input age: 20 My name is Brijain and I am 20 years old. Fal: 95

> 52:90 53:95

Average marks in three subjects: 93.33

paperism, Date: / / 01/62/2021 Syntan: a=20 if.si. 6=24 c=0 Stortements if (acb) cat (a, " as a small number In") O/P=> 20 is a small number if (c==1) Block succesfully mut cat ("Block nicesfuly executed ifelse.a: Sintan: if (condition) a=100 if (a=20) & statement I else cat (a, "is lingthan 20") 0/P=>100 is greater than cat (a, "is greater than 20") a=readline (frompt= exenturyour age:") ifelseif. r. a = as. integer (a) if (a418)

II	
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	Date: / /
શ્	
frint ('You are a child')	
frint ('You are a child') 3 elseif (a < 45)	O/p=> Enter yourage: 30
£ 1	You are an adult.
frint ("You are an adult")	
Gelse	
٤	
fraint ("You are an oldguy")	
3	

frime. r: n = as. integer (readline (fromfit = "Enter the number:") lac=1 &(num <0) { forint ("Factorial does not exist") 3 else if (num == 0) { frint ("Factorial of O is 1") for(i in 1: num) & fac = fae *i

paperism. Date: / fruit (paste ("Factorial of ", num, " is ", factorial) 1) Enterthenumber: 5 The factorial of 5 is 120 2) Enter the number: -1 Factorial does not exist. fibbonacier n = as. integer (readline (frompt = " Enter the number of terms: ")) n1=0 if(n<0){ frint ("Imalid input") 3 else & if(n==1) & frint ("Fibbonacci sequence:") fount (n1) frint ("Filoonaeci segruner:") forint(n1) print (n2)

	paperism
	Date: / /
	while (i <n) th="" {<=""></n)>
7 1	m3=n1+n2
	print (n3)
	ml=n2
- 1 LS	n2=n3
	i=i+1 ((0.2307) ;)
. At 1 - 1	3 3 . The state of
- 1	3 Contractors
	3 (************************************
1.0	(1.5:2) -12) -12)
	Output:
1	Enter the number of terms: 3
. (Fibonacci segunce:
	0
	1 . The XC - company (or , also ship) as he ships
	(Lade Land Control Reins

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paperism, write P program to create a siqueme of numbers from 20 to 50 and find mean of numbers from 20 to 60 and sum of numbers from 51 to 91. fried ("Squence of numbers from 20 to 50:") output: frint (seg (20,50)) frint (" mean of murbers from 20 to 60: ") frint (mean (20;60)) 40 frint (E Sun of numbers from 51 to 91:") frint (9um (51:91)) 2911 Write a R frogram to create a vector with which Q. contains from - 50 to + 50 (random integer values). V= sample (-50:50, 10, ruplace = TRUE) fruit ("content of victor:") frint ("10 random integr values between -50 and 150 forint (V) output: Content of vector:" 10 random integer valus between -50 and +50; -43 33 -9 -36 44 -7 -21

Date: / /

Write a frogram to fruit number from 1 to 100 and fount "Fizy" for multiple of 3, faint "Bezz for multiple of 5, print "Fizz Brogg" for multiple of both. for (n in 1:100) { if (n % % 3==0) & molo5 ==0) { frint ("Fizz Buzz") . elseif (n% %3 == 0) & fruit (eFizz") 3 else if (n°60%5==0) & fount (coBuzz") 3 else frint (n) output:

```
Source on Save
print(paste("Not a Quadratic Equation"))
   d=(b*b)-4*a*c
8 - if (d==0) {
     r1=r2=((-b)/(2*a))
     print(paste("Roots are Real & Equal"))
     print(paste("Roots are : ".r1."&",r2))
12 - Jelse if(d>0){
13
    r1=(((-b)+sqrt(d))/(2*a))
14
     r2=(((-b)-sqrt(d))/(2*a))
     print(paste("Roots are Real & Distinct"))
16
     print(paste("Roots are : ",r1,r2))
   }else(
18
     real1=((-b)/(2*a))
19
     im=(sqrt(abs(d))/2*a)
20
     print(paste("Roots are Imaginary & Distinct"))
21
     print(paste("Roots are : ",real1,"+",im,"j &",real1,"+",im,"j"))
22 4
     Top Level) :
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paperism, Date: / / n=as.integer (readline (fromfit = exenter the muln: ") Prime 4; flag = 0 if (n>1) ? flag=1 for (i in 2: (nov-1)) if (num % % i) == 0) { if (n = = 2) feag = 1 if (flag == 1) { forint (faste (n, "is a forime number")) else & frient (faste (france) n, "is not a forince number")) output: Enter a munda: 19 19 is a forime number