Assignment on Algorithm Analysis and
Dr.) vereite a preogresson to check a neem ser à
preime one not. Calculate its time complexity
neith propere explaination.
eode:
imposet java. util. Scanner;
public dan O1
Static boolean cheele (i) + n)
ig+ (=0)
cf(n==011 n==2)
restrary feelse;
else if cn==2)
netures true;
.0
fore (i) + i = 2; i < = Mostle. Squeten); i+o)
ef (ny.c =0)
y y (+x')
cf c! =0)
return false;
y else reture, true;
public steetic void mois (String [Jarys))
Scannese Sconer (Systemin);
System. out. preistln ("Entere the number")
ist nosc. next Enter;
Jame:Regd. Number:

a social la (cheele (n)).
System. vut. print la (checleca));
3 martin and the second and the seco
Endere the number
endere de
a proposed to find the siner
Q') were the defined number.
complexity,
Q.) neverte a preoprem to final the sincere equivalent of a decimal number. colculate its time complexity,
code: imposet java-util. Scanner!
public don 02 d
Static raid sineary (1) of
: LEEJ + Ci CURC = 6 [] + Ci
ightion 0;
fore (i=0; n70; i++) {
5[1]=1.43;
2 ×3×(2)
fool (i) + j= i-1; j7=0 ; j)
System. oud. projt (SUI),
Die Constitution of the state o
Public Steetic void moin (Strenge Jan
Scannere se = new scanner (System. out. prostly ("Enter the "
Scannete Se = new Scanner (System. 1 System. out. prestly ("Enter the nem sere to sineary my. to Name: Read Read
Name:

entere concember to reverse it 678 276 (4.) varcite a preogreem to reavel an element using binary search and calculate its time complexity. code 1public does out static souleen ssearch (i)d(Ja, i)d v)d SA (20) ist h = o.length-1; est m; while clich) & m=(l+h)/2; ef(a[m]==v){ y return frue's else if (asmtev)? ently y elseh 九三からようりか redurin false; public static void moin (strung (Jorgs) ist [] a = { 5, 7, 8, 9 }; System. out. prostly (Steerely (a,6)); JOSP 1 - Feelse

PageNo:____ o= sc. nont Ind(); Enter the number to convered from decimal to sincere 3.) white a program to finel the neverte of a rember and find its time complexity imposet java. util-scanner, public dan 03 ? steetic ist reverse (ist n) { ist 10:0°; while cn70){ 10=10+1c+cn.1010); I retures 10', public static raid mais (Strong[] anys){ Sconner Scanner (System. is); System. out. projella (agnélité a numbere ist n = se. nord[nde); System. oud. préjaln (reviense (n));

River an arevery, moreite a program to restate ets element le nom sère of times. Explais its time complexity. code)public dans Os L static void notate (igt out I, igt le) f est 5EJ = Dew ist[a.length]; fore (igt i=0; i(0. length; itt) { est 1 = 0; ification = co. length-Dd 52i] = O[i+1c]; scij=acjj; fiere (i)t i =0; i<5. length; i+1) system. oud projt (SteJ + " "); Pullic steetic void mois (stronger onys){ ist a [] = {10,20,30,40,50,60, 70,80,909; 3 4 cotate (0,5)', 10 2030 40 56

6.) liver on ourelle la program to finel a cocks! public dom Obd Pursite steatie void mais (strange) any continuent i menimen. Static fore (E) i (a. length, jett) 094 [] a = { 5,8,9,48,-45,90,-25, -890 856 est temp=0) else et (sum) = temp (00 mos + 60) fation oud probably (And sum(a)) ct (same) testers temp Sum; sumtation 3+ finalsum(i) { a) { Sum 20) temp = sem (R Eg bat

to arrange its elements is were tours then its neighbouring ever elements public day Oto for (c)+ c=0°, c(a.length; c+1) public stactic void monit cotron [] steetic void want cital of for (i)+ i=1; i<0. length; i+=2){ ef((i+1) < a. longthiel ali] yalie ! 1, 5 ch (b (8 ' 4 ' 9'5 ' 16' 8) = 0 [] +6. System. oud. prostación ta 11). wane (a); - \$(E-1) > - 0 & & ari 7 yari-1) } ist temp =0 alija ali-Mj temp = acil (dust = [1-330 temp= olidi cas it 1] = lemp' O[:] 20[:+1]; odel elements and limese

1 Mumber

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(8) lives arms of of size to, confering to take place white a proprion to an talle place, white a proposing to a stople at anticles.

(ode)

public dam 08 of fore (c)+ czo; c<o. lungth jc++){ (69, 61, 8, 16 c o 2 d 1, 8, 16, 6) purlic static visid mais (string E) any St maxi o;

いた (のの大人のでう)

Cot [75 2 Dew 107 mortel]; tore (c) 1 (20; (1) more) (1) 54 count 20; may = ofed;

fore (c) + J=0; J<0. Dengte; j++) { () (c = 0 ()]) { ([M = [13] coundry.

Tower of Hunoi problem. 1111110 fore (c)+ 2=0; (2=max); (++){ imposet java. util. Scenner pullic day og Steethe voud toh (ist n, cheer a, cheers, et (cound == 0) > (070) (System. out. prost en ("move disc"+n+ toh (n-1, a, e, 5); system. oud. problesside ") PL: []: -1; toh (n1,5,0,0); "from "+ a + " to "+ (); chan ()

Name

Public steatie void mois (stronger drystem.is) {

Scanner See mus Scanner (bystem.is);

System coul. projetly ("Enfert the number

mone disc & from a to c of Pil Ender the member of dorse move disc ach of two nomber. white the nowermy PageNo: 10 white a newer sing function to find cist v= Sc. War Athat C); Name: tok (0, (0), (6), (6)) public imposed javes ufil, scurvest; Solution. static of oxcellist o, est 5) (5 LOD }) CF (02 = 20) 05=5343 turetion and solve it have cf(0:25 Lem Duod tuduen 5 tuturn (cel (a, 5-a) rudury Jul (as, 5) 1 from 5 to C. refuer a:

Ender the two wenter codo! gcel s, wherte a proposer to fine all permutation den All peremulations et on integer list recuriorally. public steelic void nois (stronges arys) system. out. prosten ("Enter the two private final st truet); Scanner scanner Scanner (System, in); public All premudation (c) + anne 1) { proved. COHOLEMEN. OS CO PG. 131 5 = SC. WARD END (); system. out. probably (" [cel 5"+ gul(0,5)] proved cot previous? this. Enelyzes = new cot [this. Ann this there are i this Frencher = -1) St Induxes[]. number 1). genth J.

public vaid ly puttic funcion (20) ic Endexes length pullic vaid lessifient () pullic void Elethent () { pushic booken Harnes Cot tuluen this. Energene ! - (this. Ender while (this. Drownerse Athis. In dixes. bur this Indexes - new int Lithis. they the this Engrace =0; this . sweep (this . I creans, this . Increase = 2 (Ali) - concreserve = =0){ this output (). this. Encounted ; & & this · Indexes [this · Increased] this Indexestion : ++ this. Energene > this . Included [this. Increase lungth - 1)

(a) white cocke ! State booken Seemen (enter a, ent) Name: o secreta. Analyse et time Vicemplexity. PageNo: public lan oral elu et coemJ (V) public steetic void moun (strong [] any) system. out. prondly (Ssecerch (a,0,4,90)); () [((())) = = V) ist on a (lotal) / Di ent [] a 2 & 8,9,60,40, \$88); An up CR (17h tuburn Ssearch (a, m41, h, v); redured (a, l, m, v); trustiers trus Conservation function いかん、かんくうく 16 5 22