Disciplina Algoritmos e Estrutiva de Dades Turma 02 AN Série
Data de de 20
Nota () Rubrica do Professor
J. # include < stdio.h >
int tormatriangulo (Eloata, Float b, Float c) &
if (a *b >c && a+c>b dd b+c>a)
return);
else
return o;
3
void tipo Triangula (Float, Float b, Float e) {
it l': Formatriangulo (a,b,c)) {
printf("Não e um tiángulo \h");
= 2 elseif (a==h && b==c) {
print f ("triangulo equilatera (");
3 e/se it la == b 1/a == c 1/b == c) €
print + " treangule vioceler \n");
Zelses
print ("Triangulo exalence in ");
Z Privice (par girls areas. ()
3
inf main () E
Floor 6 10, 12, 13.
print + ("Digite o comprimento do 1º lado: ").
5can ((") (60 . 8 l)).
print + ("Digite a congrimenta do 22 lado" 11).
Scan E (" of F " , & 12);
print f ("Digite a con primento do 3º lado" ");
Scant ("e/d = ", & (3);
it (formatriangula (B. S. 2, 13)) {
print t 1" On Syster Somen um trigingulo \n");
MOD. 1.03.01.0005-0

```
calcular MDC (inta, int b) {
     mmc = calcular MMC (non), non 2),
For(int i=2, i + i <= num; i++) {
   if (num % i == 0) {
      neturno;
```

refun !;
3
int soma Primos(int n) {
\$ int some = o;
int contador = 0i.
int numero = 2;
While (contador < n){
if (primo (humero)) {
50mm += numero
- Contrador++,
humero Hi
3
return somaj
3
int main() {
in €n;
print f (" Digite o numbro de primer a serem somador: ");
SCOLOF (1960) 1, 8 12):
grint f (" A sona dos "/cd primerios primas e": "cd \ h", n, sonalinos (n));
returno;
2
4. #include <stdip.h></stdip.h>
that media turma (intinum Alunos) {
int vota;
tloat some = 0.0;
printe l'é tuma de la d'aluna 'n ", non Alunos);
For (inti=1; K= nom Alunos; i++) {
grin Ef ("Digite a note do alimo Pod: 11; 1);
scanfilled", & nota);
- SCANTI VIOR , Charlet
Son at= nota;
Son at= nota;
Son at= nota; 3 Yetunn soma / num Alunos;
Son at= nota; 3 return soma / num Alunos; 3
Son at= nota; Teturn soma / num Alunos; That media Escola (int numturmas) {
Son at= nota; 3 Yetunn soma / num Alunos; 3 Float media Escola (int numturmas) { float soma Media tormas = 0.0;
Son at= nota; Teturn soma I num Alunos; That media Escala (int numturmas) { Float soma Media tormas = 0.0; int num Alunos;
return soma / num Alunos; That media Escala (int numturmas) { float soma Media tormas = 0.0; int num Alunos; tar (inti=), i <= humturmas; i++) {
Son at= nota; 3 return soma / num Alunos; 4 loat media Escala (int numturmas) { float soma Media turmas = 0.0; int num Alunos; for (inti=), i <= numturmas; i++) { wint f (((), "));
return soma / num Alunos; That media Escala (int numturmas) { float soma Media turmas = 0.0; int num Alunos; tar (inti=), i <= humturmas; i++) {

printf (" Digite & nº de aluna na turmo!").
5can 6 (" % the ") Ennum Alunas);
Soma Mediatarmast= mediatormalaum Alunas);
3×
yeturn soma Mediatermos (nomtermos)
int main () {
print (Digite a number de tuma va excla: ");
Scant (" God", & num turmas);
float media Geval = media Escola (humturmas);
printf ((\n");
printt ("A medio geral da cescolo ce": %. 26 m", media Geral);
retiranoi
3
5. # include < studio. h >
int Fibonacci (int n);
int main () {
int n, resultado;
print (" Durate o valor no"):
Scanfl "Acd", &n);
resultad = fibonacci(n);
print + ("6 % of - exemo temo de serie de Kuborocci a" "/-d \" in, resultado);
yeturh O;
3
int Fibonacci (int n) {
if (n = 1)
return ni
e1se
return Fibonacci (n-1) + Fibonacci (n-2);
3

6. #include astdio.h>
int somatorio (int n);
Int main 118
int n, ve sultado;
print f (" Digite o valor de 4: ");
Scant ("/cd", &n);
restrictedo = sonatorio(n);
printf 10%d In", vestltado);
return Oi
3
int sona forio (inta) {
int resultado =0; langa = nongar tal
intii i turile la compani de l
For (i=); i <= h; i++) & 2 man = nonom
Vesutado+= (5 * * +:) + (2*1+8;
If them 3 comenor) &
return resultado, Emind = NOASM's
3 1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-
return in enpry
7. # include = stdio. hz
Void rotate Numbers (int * num), int * num 2, int * num 3);
int main () { Solotes shalon I a
int main () & Solotes shalon Ini
int main () { int num 1 num 2, mon 3; print + (Projete 3 numbers: "); Scant (% d % d "/ & num 3, & num 2, & num 3);
int main () & int hum 1/ num 2, mon 3; print + (9) pote 3 number: 11;
int main () { int hum I num 2, mon 3; print f () print 3 number: 11; Scant () ad / ad / ad / b d / b num 3, k num 2, & num 3); rotate Num bers (f num), b num 2, b num 3);
int main () { int hum I num 2, mon 3; print + (Project 3 numbers: 11); Scant (% d % d % d", & num 3, & num 2, & num 3); rotate Numbers (f num), & num 2, & num 3);
int main () { int num 1 num 2, mom 3; print + (Project 3 numbers: 11); Scant (% d % d % d " & hom 3 , & hom 2 , & hom 3); rotate Num bers (f num) , & num 2 , & num 3); print + (Apor a rotago: % d / d / d / d / n , hom), hom 2 , hom 3);
int main () £ int num 11 num 2, mom 3; print t / Projette 3 numbers: 11; Scant ("/od "/od", & num 3, & num 2, & num 3); rotate Num bers (f num), & num 2, & num 3); print t ("Apor a rotago: "/od /od /od /od /od /od /od /od /od /od
int main () £ int num 1 num 2, mon 3; print + (Aporta 3 numbers: 11); Scant (% d % d % d", & num 3, & num 2, & num 3); rotate Num bers (& num 1, & num 2, & num 3); print + ("Aporta a rotaga "/d / d / d / n", num 1, hum 2, hum 3); Veturn 0; 3 Void rotate (lum bers (int * num), lut * num 2, int * num 3) { int temp = num 1; num 1;
int main () £ int hum 11 hum 2, morn 3; print f () pite 3 humber: 11; Scant () ad / ad / ad ", & hum 3, & hum 2, & hum 3); rotate Numbers (f num 3, & hum 2, & hum 3); print f (Apor a rotage): "/ ad / ad / ad / n", hum 1, hum 2, hum 3); Veturn 0; 3 Void rotate (Impers (int * hum), let * num 2, 1 nt * hum 3) £ int temp hum 1; **won 3 = *num 2;
int main () { int num 1 num 2, mon 3; print + (M) gots 3 number: (1); Scant (% d % d % d", & num 3, & num 2, & num 3); rotate Num bers (& num), & num 2, & num 3); print + ("Apor a rotage "/od % d \n", hund, hum 2, hum 3); return 0; Void rotate (lum bers (int, * num), but * num 2, int * num 3) { int temp thum 1; int temp hum 2; Int temp * num 3; Indiai
int main () £ int hum 11 hum 2, morn 3; print f () pite 3 humber: 11; Scant () ad / ad / ad ", & hum 3, & hum 2, & hum 3); rotate Numbers (f num 3, & hum 2, & hum 3); print f (Apor a rotage): "/ ad / ad / ad / n", hum 1, hum 2, hum 3); Veturn 0; 3 Void rotate (Impers (int * hum), let * num 2, 1 nt * hum 3) £ int temp hum 1; **won 3 = *num 2;

8. #include < stdio.ho	3 () 8 John
- Void A ()i	7 : 34:
- Void B();	For (i = 0; 125 : 14) 8
-void C();	Last Tell Tell Tell Tells
Void D();	16/25/25/36
int main () {	- for my ++ com
printf("A:\h");	398198
A();	arint t Tuesdi
- Print + (B. In")	
B();	
- printf("C: (n");	asinte (" La ")
- c();	3
printf("Dilh");	
D();	Void COES
z retuno;	ibt i, 5;
	tarting iss, its
Void A () E	100 (3 C) TO 1 3 C S TO 2 D S
inti, Ji	3 (7-0-17)
tor (i = 0 i &< 5; (++) {	
For (J=0; J<5; J+	+) { 3 3 3 3 3
	printf(n-n) 3
Printff"+" 3elses);
§ else E	7
Pintf("-"); (all) + ind.
3	
3	3
grinff ("In");	
3-	
5	
	Jandaia
	Januala

int Major (int nd, int n2, int n3);
int main () {

int n1, n2, n3

print t ("Digita tree numeror;");

Scant ("Ped 7.d V.d" f n1, f n2, h n3);

Int major = Major (n1, n2, n3);

Print f ("Omaior dor 3 numeror e" / d (n", major);

return 0;

Jandaia

int Major (int n), int n2, int n3) { int major = n);
int malor= n)
if (h2 < major) {
major=n2,
grint + (12 mit des mores 11)
if (n3 = major) {
major = n3;
3 Sense 19 Mary State Mary 19 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
return major;
_ 3
in f Som (in Full interpolation 2) Some of a fair
1), include estdio.h>
1), include estdio.h = Void Max Min (int n), int n2, int na, int * max, int * min); int main () &
int main () {
-int n), n2, n3;
int mar, mini (Satilation)
print (" Digito 3 numeros" ");
grant (" V. d. V. d. V.d, End, En2, En3);
Mar Mir (n) n2 n3 lover (Min)
printf("O major a : 1 d in Omeror a : 1 d, max, min);
retanno; la
3 return man descione (at h ! M) ++ sim
void Max Min(int n), int n2, int n3, int *max, int min);
* max = n);
* min=hi; Isital latal rain the
if (Quanty > * nax) {
*max = 12860;
3 else if (n2 < *min) 2
$\#$ min = n2; \mathbb{Z}_{A} \mathbb{Z}_{A} \mathbb{Z}_{A}
3
if (h3 /* max) ? * max = h3
3. else if [n3< * min){
I andaia
3.

12. #include sstdion> satural la Tri
int some (int n), int n2);
int main () & Demmes Alt
int nd, ne, total survivan
- print t ("Digite does numeros ");
Scant (" Pd 1-d", & n), & n2), sind
total = Boma(h), n2); En = 1010m
- printf("",d\n", bota();
int Soma (int n), int n2) {
neturn hs +n2; edusibles shall il
void Max Min lint while he winters int that int Toil
16 t main () [
13. #include estaio, hz Ensaladai
int Majorlint nd, int n2);
int main () {
int ns, n2, major;
print [1" Digite 2 valous : 11);
Scanfl" Ad y d", & n), & n2),
major = Major (h), h2);
printt ("/din", maion),
return Order to the Cartain to the land and had
3 LA = X ANN XX
int Major (int n), int n2);
it (n)>n2) {
return n);
3 e/se {
recurn for n2;
3
3.
S CIST IF IN SECURITION OF
Jandaia

J9. #include estdio.no
int Major (int vetor = 7, int tamanho);
int main () {
int humeros (37,
int i malax:
printe ("Digito 3 numeros Allarge");
Printf ("Digite 3 numeror (1823)); Por (i=0; li = 3 · i++) {
scanfl"yd", bnumeros [i];
3 3
major = Major (numeros, 3);
print f ("Omaior a "Id In"; major);
retumn O;
3
int Major (intretor [], int tamanho) &
- inti;
int max = VetovCo3;
For (i=), i < taman ho) i+) {
it (vetor [i] > max) {
nax=vetortiji
The Control of the Co
3 14/3 204 1
return maxi
3
Piner ("-2")
print flands
Jandaia