FDC Ibringmenta

define array size 10 int main () 5

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int array [darray - size]
int array & [array - size]
int arrays [array - size]

Horaenting arrows

|] ;

for (inti = 0; icarray - sce; i++) {

array [i] : i

pegra one parallel for for (inti-0; icarray-size; itt)

son & repulting = arroy [i] + arroy (i);

printy ("Arroy !!)

1 paint arry 1

printf ("Arrage)

plint world array

Juturn O

3

ofter creating 3 arrays, initializing arrayland a with values are use paralled for" to all the idue into our 3th array. "Herenna orp partlet accentes threads and "for" now distributes workload in the for loop between threads

Since we have use parallel for , no reed to declare a parallel black as it is implicitly understood that threads will executed for loop because of "parallel for" pregna.

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Static scholar of months	
Static scholaring of reduction:	
int main()	
int origin()	
int array farray-612e) int sum = 0	
Wir Sum = 0	9
4	11.
for (int i=0; ic array_siv; i++) array (i) = i+1;	4.
array (i) = i+1;	
for (inti=0; ic array size; i+1)	Man chicht I 1
for pinti=0; ic array size ital	1.50m
5Wn + = array /1);	
3637	
(pmg) triest	
Ill punt array	
phint f("/no y.d", sun);	No.
Julian O	
Here, we are initialiting an array and gurming in	the almost
the sun variable.	13 EUMOUS IN
the sun variety. The sun variety to create theads. "for" to specify. In a for the "for top"	that the III
a for the "for loop"	and will him
Supplied the Control of the Control	
cyclically tores thoual I has iteration I, throad I has some house I through the all to	derestin 2 and
The state of the s	sting 4. threal 1
will do iteration 5 and so on.	The state of the s
The reduction clause indies is the sum variable privale privale privale being changely and proposed by the sum variable being changely and proposed by the sum of the	rate to each through +
which prevents we wanted being changely and associated	ensures consisters +
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3) dynamic she duling reduction	10
# define size 10	
Int main ()	Two a Barrays Heatel,
intaral [su]	two initialized:
int arrap [sile]	The Each elivert
Int result (size)	of the Larrays is
\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	summed into 3 to array.
for (1 45hz)	ass bushing onb
	parallel to create thead
array [i]=i	for to specify workload
John	is of for hop.
#0,9 ashcomo so parellel for scheller a	nhomi)
for (int i=0; icarsize; it) Leanly [i] = array [[i] + array	Dynamic schedulity
Joseph [i] - array [i] + array	ili) makes it so that
22 J. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1.	when one thread finisher
Bring ("Harry")	it's took, It communicate
print array 1	with other threads
phint ("Kray 2)	to find an iteration which
	is not being worked on,
oin +f("Leut"	and execute that iteration
Il point and	However it is expansing
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() int main()	
int main() {	
int own (Circle)	· · · · · · · · · · · · · · · · · · ·
int sun=0	
	The state of the s
for (isse)	
array[j]=it]	
JUJ 2017	
Horama one possible should (sur)	
freshing (sur)	
[int local sum = 0	
#progra one for	V Course of a contractiff
for (i < size)	
local_sum t= array[i]	Comment of the second
Il magain and it I	,
the pragme ampuitial	the second of the
Sum += local_sum	1,2-13- 57 (1)
3 / end of critial [I end of pricile!	
{ end of chital	500 m 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
1 mil of pricing	A second
Dan LL III	King Marine
Print ("w")	
Deturn O	() and o
thread. " shoul (sun)" show II all	Summing it. " and some b/1 to and 1
viscale. Shard (sun) shares the glob	of whele sum bout the of
	Summing it. "omp parallel" to weste of vehicle sum bout threads.
with any was the all	ay in the local sum which
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to ensure one threat at a time then updo to the shed our variable.	accesse critical sales 1
up do to the short our vehable.	I UN XCHUM AND
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	, ""W. Aghaz pk

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6) Collapse devoe	
# progres omp for collapse for (k:k1, kc:ku) ! for (j:jl) jc	(2) printe (i, k, j)
for (J=Jl)J	il; ic:in; i+=is)
	er (aijj,k)
Jand k are part of the loop I loop - it is not part of the every iteration of Collapsed J	construct, so they are collapsed into be loop construct thus is executed in and k
C) # pregman psection #pregm on psection task() { #pregm omp section task() b task() b)	tor non therative
(1) Vector add and multiply using of int main ()	
int vector A[sie], rector B for (ic size) vector A[i]: itl rector B[i]: irz	[size], about add [size], daruft mulfire]
# freque ample exclled sedion	
for a (i < size) result add (i) = red	od(i)+ redor B(i)

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the proposition of section for (is size) would mul (i)=	Seat Manager 198
9 3	with the subsection with your many of
for (is size)	1 1 1 1 2/1 - 2 1 1 3 1 2 . 1 1 3 2 1
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int main() [
ong_ set_mon_ Heeds (1);		
# Britis are barelly		<u></u>
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}	7-14	<u> </u>
pirint f ("1".d'a print seco	nd ruye	, onp get tred num
		<u> </u>
and perralled to create thread.) · · · · · · · · · · · · · · · · · · ·
one barrier to each for each thread to	e pinta 1	st message
one barrier to each thread to one single to for only I thread to print one then all thread print second means	mes) ayo	2
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Summy with a generating pine win sited.
(Int is prime (Int mus) If (num <=1) return If (mun := 2) return I
If (mun 1.2 = = 0) retur 0
toc (1=3, i*cz=nun, i+=V)
if (mum) i==0)
Schubs () nian this Schubs this
interli100
for (i= Start, i <= end; i++) if (is_prime (i))
print (b) d'is com critical
noture O:
omp parrelled for creates thereos that sun is prime of check. If is prime true, one thread at a time can access on that section and print the prime number.