

PERFORM PYNCKELS FILE NAME/TYPE= STDIN
PERFORM PYNCKELS
PERFORM PYNCKELS CREATION DATE/TIME= 14-02-2025 16:25:26
PERFORM PYNCKELS
PERFORM PYNCKELS FILE= 001 PAGES= 0001 LINES= 000015
PERFORM PYNCKELS
PERFORM PYNCKELS SYSTEM= LINUX(6.11.2-AMD64)
PERFORM PYNCKELS
PERFORM PYNCKELS SYSID= ACID SYSUSER= ACID
PERFORM PYNCKELS
PERFORM PYNCKELS FORM= STANDARD
PERFORM PYNCKELS
PERFORM PYNCKELS CHAR= FONTMONO
PERFORM PYNCKELS
PERFORM PYNCKELS PRT1403 VERSION= 1.2

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PPPPPPPP YY YY NN NN CCCCCCCC KK KK EEEEEEEEE LL SSSSSSSSS
PP PP YY YY NNN NN CC CC KK KK EE LL SS SS
PP PP YY YY NNNN NN CC KK KK EE LL SS
PPPPPPPP YYY NN NN NN CC KKKKK EEEEEEEEE LL SSSSSSSS
PPPPPPPP YY NN NN NN CC KK KK EEEEEEEEE LL SSSSSSSS
PP YY NN NNNN CC KK KK EE LL SS
PP YY NN NNN CC CC KK KK EE LL SS SS
PP YY NN NN CCCCCCCC KK KK EEEEEEEEE LLLLLLLLLL SSSSSSSSS
PP YY NN N CCCCCC KK KK EEEEEEEEE LLLLLLLLLL SSSSSSS

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PPPPPPPP EEEEEEEEE RRRRRRRRR FFFFFFFF 000000000 RRRRRRRRR MM MM
PP PP EE RR RR FF 00 00 RR RR MMM MMM
PP PP EE RR RR FF 00 00 RR RR MMMM MMMM
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PP EEEEEEEEE RR RR FF 000000000 RR RR MM MM
PP EEEEEEEEE RR RR FF 0000000 RR RR MM MM

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```
1 import time
2
3 def sum_integers():
4     total = 0
5     for i in range(1, 10**7):
6         total += i
7     return total
8
9 start_time = time.time()
10 result = sum_integers()
11 end_time = time.time()
12
13 print(f"Python: The sum is {result}")
14 print(f"Python: Time taken = {end_time - start_time} seconds")
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PERFORM PYNCKELS CREATION DATE/TIME= 14-02-2025 16:25:26
PERFORM PYNCKELS
PERFORM PYNCKELS FILE= 002 PAGES= 0001 LINES= 000018
PERFORM PYNCKELS
PERFORM PYNCKELS SYSTEM= LINUX(6.11.2-AMD64)
PERFORM PYNCKELS
PERFORM PYNCKELS SYSID= ACID SYSUSER= ACID
PERFORM PYNCKELS
PERFORM PYNCKELS FORM= STANDARD
PERFORM PYNCKELS
PERFORM PYNCKELS CHAR= FONTMONO
PERFORM PYNCKELS
PERFORM PYNCKELS PRT1403 VERSION= 1.2

PPPPPPPP YY YY N NN CCCCCC KK KK EEEEEEEEE LL SSSSSSS
PPPPPPPP YY YY NN NN CCCCCCCC KK KK EEEEEEEEE LL SSSSSSSSS
PP PP YY YY NNN NN CC CC KK KK EE LL SS SS
PP PP YY YY NNNN NN CC KK KK EE LL SS
PPPPPPPP YYY N NN NN CC KKKKK EEEEEEEEE LL SSSSSSS
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PP YY NN NNN CC KK KK EE LL SS
PP YY NN NNN CC CC KK KK EE LL SS SS
PP YY NN NN CCCCCCCC KK KK EEEEEEEEE LLLLLLLLL SSSSSSSSS
PP YY NN N CCCCCC KK KK EEEEEEEEE LLLLLLLLL SSSSSSS

PPPPPPPP EEEEEEEEE RRRRRRRR FFFFFFFF 0000000 RRRRRRRR M M
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PP PP EE RR RR FF 00 00 RR RR MMM MMM
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```
1 program performance_test
2   implicit none
3   integer :: i, total
4   real(8) :: start_time, end_time
5
6   total = 0
7   call cpu_time(start_time)
8
9   do i = 1, 10000000
10      total = total + i
11   end do
12
13   call cpu_time(end_time)
14
15   print *, "Fortran: The sum is ", total
16   print *, "Fortran: Time taken = ", end_time - start_time
17 end program performance_test
```

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PERFORM PYNCKELS FILE= 003 PAGES= 0001 LINES= 000022
PERFORM PYNCKELS
PERFORM PYNCKELS SYSTEM= LINUX(6.11.2-AMD64)
PERFORM PYNCKELS
PERFORM PYNCKELS SYSID= ACID SYSUSER= ACID
PERFORM PYNCKELS
PERFORM PYNCKELS FORM= STANDARD
PERFORM PYNCKELS
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PERFORM PYNCKELS PRT1403 VERSION= 1.2

PPPPPPPP YY YY N NN CCCCCC KK KK EEEEEEEEE LL SSSSSSS
PPPPPPPP YY YY NN NN CCCCCCCC KK KK EEEEEEEEE LL SSSSSSSSS
PP PP YY YY NNN NN CC CC KK KK EE LL SS SS
PP PP YY YY NNNN NN CC KK KK EE LL SS
PPPPPPPP YYYY NN NN NN CC KKKKK EEEEEEEEE LL SSSSSSSS
PPPPPPPP YY NN NN NN CC KK KK EEEEEEEEE LL SSSSSSSS
PP YY NN NNNN CC KK KK EE LL SS
PP YY NN NNN CC CC KK KK EE LL SS SS
PP YY NN NN CCCCCCCC KK KK EEEEEEEEE LLLLLLLLLL SSSSSSSSS
PP YY NN N CCCCCC KK KK EEEEEEEEE LLLLLLLLLL SSSSSSS

PPPPPPPP EEEEEEEEE RRRRRRRR FFFFFFFF 0000000 RRRRRRRR M M
PPPPPPPP EEEEEEEEE RRRRRRRR FFFFFFFF 000000000 RRRRRRRR MM MM
PP PP EE RR RR FF 00 00 RR RR MMM MMM
PP PP EE RR RR FF 00 00 RR RR MMMM MMMM
PPPPPPPP EEEEEEEEE RRRRRRRR FFFFFFFF 00 00 RRRRRRRR MM MM MM
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PP EE RR RR FF 00 00 RR RR MM MM
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PP EEEEEEEEE RR RR FF 000000000 RR RR MM MM
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```
1 #include <stdio.h>
2 #include <time.h>
3
4 int main() {
5     long i;
6     long total = 0;
7     clock_t start_time, end_time;
8
9     start_time = clock();
10
11     for (i = 1; i < 100000000; i++) {
12         total += i;
13     }
14
15     end_time = clock();
16
17     printf("C: The sum is %ld\n", total);
18     printf("C: Time taken = %lf seconds\n", (double)(end_time - start_time) / CLOCKS_PER_SEC);
19
20     return 0;
21 }
```