

PERFORM PYNCKELS FILE NAME/TYPE= STDIN
PERFORM PYNCKELS
PERFORM PYNCKELS CREATION DATE/TIME= 26-02-2025 12:04:02
PERFORM PYNCKELS
PERFORM PYNCKELS FILE= 001 PAGES= 0001 LINES= 000015
PERFORM PYNCKELS
PERFORM PYNCKELS SYSTEM= LINUX(6.12.13-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= 1.3

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
PPPPPPPP EEEEEEEEE RRRRRRRR FFFFFFFF 00 00 RRRRRRRR MM M MM
PP EE RR RR FF 00 00 RR RR MM MM
PP EE RR RR FF 00 00 RR RR MM MM
PP EEEEEEEEE RR RR FF 000000000 RR RR MM MM
PP EEEEEEEEE RR RR FF 0000000 RR RR MM MM

00000 00000 1
0000000 0000000 11
00 00 00 00 111
00 00 00 00 11
00 00 00 00 11
00 00 00 00 11
00 00 00 00 11
0000000 0000000 111111
00000 00000 11111

```
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")
15
16
17
18
19
20
21
22
23
24
25
26
27
28
29
30
31
32
33
34
35
36
37
38
39
40
41
42
43
44
45
46
47
48
49
50
51
52
53
54
55
56
57
58
59
60
```

PERFORM PYNCKELS FILE NAME/TYPE= STDIN
PERFORM PYNCKELS
PERFORM PYNCKELS CREATION DATE/TIME= 26-02-2025 12:04:02
PERFORM PYNCKELS
PERFORM PYNCKELS FILE= 002 PAGES= 0001 LINES= 000018
PERFORM PYNCKELS
PERFORM PYNCKELS SYSTEM= LINUX(6.12.13-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= 1.3

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 SSSSSSSS
PPPPPPPP YY N NN NN CC KK KK EEEEEEEEE LL SSSSSSSS
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 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
PPPPPPPP EEEEEEEEE RRRRRRRR FFFFFFFF 00 00 RRRRRRRR MM M MM
PP EE RR RR FF 00 00 RR RR MM MM
PP EE RR RR FF 00 00 RR RR MM MM
PP EEEEEEEEE RR RR FF 000000000 RR RR MM MM
PP EEEEEEEEE RR RR FF 0000000 RR RR MM MM

00000 00000 2222222
0000000 0000000 222222222
00 00 00 00 22 22
00 00 00 00 22
00 00 00 00 22
00 00 00 00 22
00 00 00 00 22
0000000 0000000 22222222
00000 00000 222222222

```
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
```

PERFORM PYNCKELS FILE NAME/TYPE= STDIN
PERFORM PYNCKELS
PERFORM PYNCKELS CREATION DATE/TIME= 26-02-2025 12:04:02
PERFORM PYNCKELS
PERFORM PYNCKELS FILE= 003 PAGES= 0001 LINES= 000022
PERFORM PYNCKELS
PERFORM PYNCKELS SYSTEM= LINUX(6.12.13-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= 1.3

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 NN NN NN CC KKKKK EEEEEEEEE LL SSSSSSSS
PPPPPPPP YY NN NN NN CC KK KK EEEEEEEEE LL SSSSSSSS
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 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
PPPPPPPP EEEEEEEEE RRRRRRRR FFFFFFFF 00 00 RRRRRRRR MM M MM
PP EE RR RR FF 00 00 RR RR MM MM
PP EE RR RR FF 00 00 RR RR MM MM
PP EEEEEEEEE RR RR FF 000000000 RR RR MM MM
PP EEEEEEEEE RR RR FF 0000000 RR RR MM MM

00000 00000 3333333
0000000 0000000 333333333
00 00 00 00 33 33
00 00 00 00 33
00 00 00 00 333
00 00 00 00 333
00 00 00 00 33
00 00 00 00 33 33
0000000 0000000 333333333
00000 00000 3333333

```
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 < 10000000; 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 }
```