

DATE: 15-11-2025 22:00:12 USER: MAINT JOB: PERFORM PAGE: 0000

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4 PERFORM MAINT      FILE NAME/TYPE= STDIN
5 PERFORM MAINT
6 PERFORM MAINT      CREATION DATE/TIME= 15-11-2025 22:00:12
7 PERFORM MAINT
8 PERFORM MAINT      FILE= 001      PAGES= 0001      LINES= 000015
9 PERFORM MAINT
0 PERFORM MAINT      SYSTEM= LINUX(6.16.8+KALI-AMD64)
1 PERFORM MAINT
2 PERFORM MAINT      SYSID= ACID      SYSUSER= ACID
3 PERFORM MAINT
4 PERFORM MAINT      FORM= WIDE
5 PERFORM MAINT
6 PERFORM MAINT      CHAR= FONTMONO
7 PERFORM MAINT
8 PERFORM MAINT      PRT1403 VERSION= 1.5.PRE-RELEASE
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	MMM	MMM	AA AA	II	NNN	NN	TT	
	MMMM	MMMM	AA AA	II	NNNN	NN	TT	
	MM	MM	AA AA	II	NN	NN	TT	
	MM	M	MM	AAAAAAAAAA	II	NN	NN NN	TT
	MM	MM	AAAAAAAAAA	II	NN	NNNN	TT	
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	MM	MM	AA AA	IIIIII	NN	N	TT	

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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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DATE: 15-11-2025 22:00:12    USER: MAINT    JOB: PERFORM
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4 PERFORM MAINT FILE NAME/TYPE= STDIN  
5 PERFORM MAINT  
6 PERFORM MAINT CREATION DATE/TIME= 15-11-2025 22:00:12  
7 PERFORM MAINT  
8 PERFORM MAINT FILE= 002 PAGES= 0001 LINES= 000018  
9 PERFORM MAINT  
10 PERFORM MAINT SYSTEM= LINUX(6.16.8+KALI-AMD64)  
11 PERFORM MAINT  
12 PERFORM MAINT SYSID= ACID SYSUSER= ACID  
13 PERFORM MAINT  
14 PERFORM MAINT FORM= WIDE  
15 PERFORM MAINT  
16 PERFORM MAINT CHAR= FONTMONO  
17 PERFORM MAINT  
18 PERFORM MAINT PRT1403 VERSION= 1.5.PRE-RELEASE  
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MM MM AAAAAA IIIII NN NN TTTTTTTT  
MMM MMM AA AA II NNN NN TT  
MMMM MMMM AA AA II NNNN NN TT  
MM MMM MM AA AA II NN NN NN TT  
MM M MM AAAAAAAA II NN NN NN TT  
MM MM AAAAAAAA II NN NNNN TT  
MM MM AA AA IIIII NN NN TT  
MM MM AA AA IIIII NN N TT
```

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PPPPPPPP EEEEEEEE RRRRRRRR FFFFFFFF 00000000 RRRRRRRR MM MM  
PP PP EE RR RR FF 00 00 RR RR MMMM MMMM  
PP PP EE RR RR FF 00 00 RR RR MMMM MMMM  
PPPPPPPP EEEEEEEE RRRRRRRR FFFFFFFF 00 00 RRRRRRRR MM MMM MM  
PPPPPPPP EEEEEEEE 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 EEEEEEEE RR RR FF 00000000 RR RR MM MM  
PP EEEEEEEE RR RR FF 00000000 RR RR MM MM
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0000000 0000000 222222222  
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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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4 PERFORM MAINT      FILE NAME/TYPE= STDIN
5 PERFORM MAINT
6 PERFORM MAINT      CREATION DATE/TIME= 15-11-2025 22:00:12
7 PERFORM MAINT
8 PERFORM MAINT      FILE= 003      PAGES= 0001      LINES= 000022
9 PERFORM MAINT
0 PERFORM MAINT      SYSTEM= LINUX(6.16.8+KALI-AMD64)
1 PERFORM MAINT
2 PERFORM MAINT      SYSID= ACID      SYSUSER= ACID
3 PERFORM MAINT
4 PERFORM MAINT      FORM= WIDE
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7 PERFORM MAINT
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	M	M	AAA	IIIIII	N	NN	TTTTTTTT
	MM	MM	AAAAAA	IIIIII	NN	NN	TTTTTTTT
	MMM	MMM	AA AA	II	NNN	NN	TT
	MMMM	MMMM	AA AA	II	NNNN	NN	TT
	MM	MM	AA AA	II	NN NN	NN	TT
	MM	M	MM	AAAAAAAA	II	NN NN NN	TT
	MM	MM	AAAAAAAA	II	NN	NNNN	TT
	MM	MM	AA AA	II	NN	NNNN	TT
	MM	MM	AA AA	IIIIII	NN	NN	TT
	MM	MM	AA AA	TTTTTT	NN	N	TT

	PPPPPPPP	EEEEEEEEE	RRRRRRRR	FFFFFFFFF	0000000	RRRRRRRR	M	M				
	PPPPPPPPP	EEEEEEEEE	RRRRRRRRR	FFFFFFFFF	000000000	RRRRRRRRR	MM	MM				
	PP	PP	EE	RR	RR	FF	00	00	RR	RR	MMM	MM
	PP	PP	EE	RR	RR	FF	00	00	RR	RR	MMMM	MM
	PPPPPPPPP	EEEEEEEEE	RRRRRRRRR	FFFFFFFFF	00	00	RRRRRRRRR	MM	MM	MM		
	PPPPPPPP	EEEEEEEEE	RRRRRRRR	FFFFFFFFF	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		

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1		00	00 00	00
2		00	00 00	00
3		00	00 00	00 33 33
4		0000000	0000000	333333333
5		00000	00000	3333333

8 *****
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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 < 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}
```