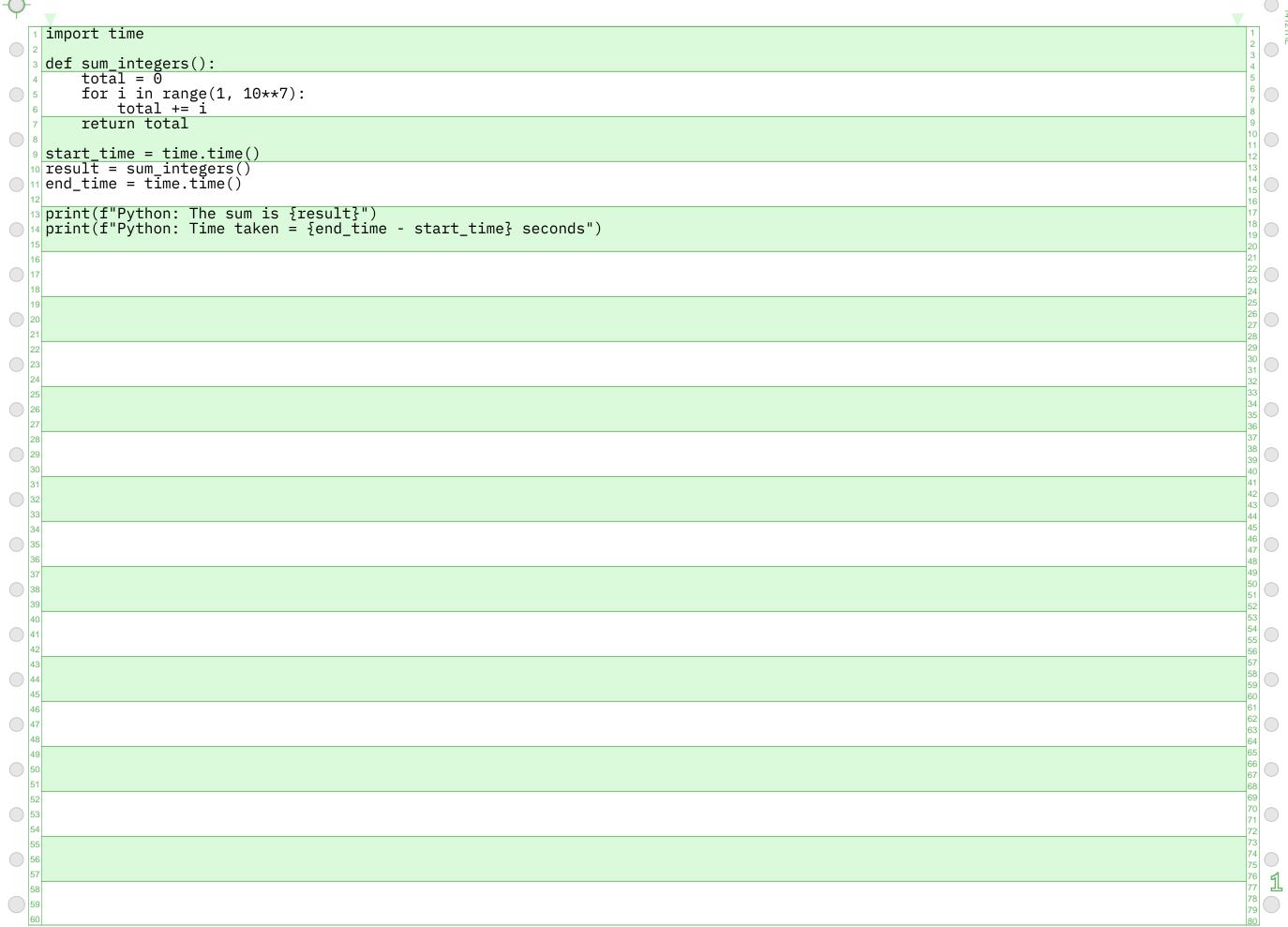
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program performance_test implicit none integer :: i, total real(8) :: start_time, end_time total = 0call cpu_time(start_time) do i = 1, 10000000 total = total + i 14 15 end do call cpu_time(end_time) print *, "Fortran: The sum is ", total
print *, "Fortran: Time taken = ", end_time - start_time
end program performance_test 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 43 44 45 46 47 48 49 50 51 52 53 54 55 56 57 58 59

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```
#include <stdio.h>
2 #include <time.h>
     int main() {
          long i;
long total = 0;
          clock_t start_time, end_time;
          start_time = clock();
          for (i = 1; i < 10000000; i++) {
               total += i;
          end_time = clock();
                                                                                                                                                                                  20
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          printf("C: The sum is %ld\n", total);
printf("C: Time taken = %lf seconds\n", (double)(end_time - start_time) / CLOCKS_PER_SEC);
          return 0;
                                                                                                                                                                                  28
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```

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