

```
prince@DESKTOP-B4991U5: /mnt/c/Users/prince/desktop/c_assign$ mpicc pallel.c -o pallel
In file included from pallel.c:5:
mydetails.h:4:14: warning: 'Name' initialized and declared 'extern'
   4 | extern char *Name = "Omotola Ogunsola \n"; // Declare the variable as 'extern'
     |
pallel.c: In function 'main':
pallel.c:13:7: warning: format not a string literal and no format arguments [-Wformat-security]
   13 |     printf(Name);
     |
prince@DESKTOP-B4991U5: /mnt/c/Users/prince/desktop/c_assign$ mpirun -np 4 ./pallel
Omotola Ogunsola
This total core used is  4
Current date and time: 08-11-2024 20:25:51
Omotola Ogunsola
This total core used is  4
Current date and time: 08-11-2024 20:25:51
Omotola Ogunsola
This total core used is  4
Current date and time: 08-11-2024 20:25:51
Omotola Ogunsola
This total core used is  4
Current date and time: 08-11-2024 20:25:51
Parallel Sum: 1641673650
Total execution time: 0.046740 seconds
Total execution time: 0.046696 seconds
Total execution time: 0.040378 seconds
Total execution time: 0.041703 seconds
prince@DESKTOP-B4991U5: /mnt/c/Users/prince/desktop/c_assign$ |
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Search



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08/11/2024

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prince@DESKTOP-B4991U5: /  x + v
This total core used is 4
Current date and time: 08-11-2024 20:25:51
Omotola Ogunsola
This total core used is 4
Current date and time: 08-11-2024 20:25:51
Omotola Ogunsola
This total core used is 4
Current date and time: 08-11-2024 20:25:51
Omotola Ogunsola
This total core used is 4
Current date and time: 08-11-2024 20:25:51
Parallel Sum: 1641673650
Total execution time: 0.046740 seconds
Total execution time: 0.046696 seconds
Total execution time: 0.040378 seconds
Total execution time: 0.041703 seconds
prince@DESKTOP-B4991U5:/mnt/c/Users/prince/desktop/c_assign$ mpicc serial.c -o serial
In file included from serial.c:5:
mydetails.h:4:14: warning: 'Name' initialized and declared 'extern'
    4 | extern char *Name = "Omotola Ogunsola \n"; // Declare the variable as 'extern'
      |
serial.c: In function 'main':
serial.c:11:8: warning: format not a string literal and no format arguments [-Wformat-security]
    11 |         printf(Name);
      |         ~~~~~^
prince@DESKTOP-B4991U5:/mnt/c/Users/prince/desktop/c_assign$ mpirun -np 4 ./serial
Omotola Ogunsola
This total core used is 1
Current date and time: 08-11-2024 20:28:17
Serial Sum: 1533887578
Time taken in serial computation: 0.000161 seconds
Total execution time: 0.000412 seconds
Omotola Ogunsola
This total core used is 1
Current date and time: 08-11-2024 20:28:17
Serial Sum: 1533887578
Time taken in serial computation: 0.000162 seconds
Total execution time: 0.000371 seconds
Omotola Ogunsola
This total core used is 1
Current date and time: 08-11-2024 20:28:17
Serial Sum: 1533887578
Time taken in serial computation: 0.000182 seconds
Total execution time: 0.000695 seconds
Omotola Ogunsola
This total core used is 1
Current date and time: 08-11-2024 20:28:17
Serial Sum: 1533887578
Time taken in serial computation: 0.000187 seconds
Total execution time: 0.000693 seconds
prince@DESKTOP-B4991U5:/mnt/c/Users/prince/desktop/c_assign$
```