SSC 335: listings demo

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today

1   C examples

```c
int main() {
  MPI_Init();
  MPI_Comm comm = MPI_COMM_WORLD;
  MPI_Send( &x,1,MPI_INT,0,0,comm);
  MPI_Recv( &y,1,MPI_INT,1,1,comm,MPI_STATUS_IGNORE);
  MPI_Finalize();
}
```

2   Fortran examples

```fortran
Program myprogram
  Type(MPI_Comm) :: comm = MPI_COMM_WORLD
  call MPI_Init()
  call MPI_Send( x,1,MPI_INTEGER,0,0,comm);
  call MPI_Recv( y,1,MPI_INTEGER,1,1,comm,MPI_STATUS_IGNORE)
  call MPI_Finalize()
End Program myprogram
```