SSC 335: listings demo

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today

1 C examples

```c
int main() {
  MPI_Init();
  MPI_Comm comm = MPI_COMM_WORLD;
  if (x==y)
    MPI_Send( &x,1,MPI_INT,0,0,comm);
  else
    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()
  if (.not. x==y ) then
    call MPI_Send( x,1,MPI_INTEGER,0,0,comm);
  else
    call MPI_Recv( y,1,MPI_INTEGER,1,1,comm,MPI_STATUS_IGNORE)
  end if
  call MPI_Finalize()
End Program myprogram
```