

Writing

helloworld.f90:

```
program hello_world
    use psb_base_mod
    implicit none
    type(psb_ctxt_type) :: ctxt
    integer(psb_ipk_) :: iam, np
    character(len=20) :: name
    call psb_init(ctxt)
    call psb_info(ctxt,iam,np)
    name='helloworld'
    if (iam == psb_root_) then
        write(*,*) 'Welcome to PSBLAS version: ',psb_version_string_
        write(*,*) 'This is the ',trim(name),' sample program'
        write(*,*) 'I am process ',iam,' of ',np
    else
        write(*,*) 'I am process ',iam,' of ',np
    end if
    call psb_exit(ctxt)
    stop
end program hello_world
```