## Main.f90

## ■ 选择OpenSSH SSH client

```
Program Main
implicit none
integer
real(2), dimension(5,3) :: m
real(4), dimension(3,5) :: n
real(5), dimension(5,5) :: n
real(6), dimension(5,5) :: n
real(7), dimension(5,5) :: Res

u = 50

Open(unit = u, file='M.dat', status = 'old')

do i = 1, 5
    read(u, *) M(i, 1), M(i, 2), M(i, 3)
enddo
close(u)

u = 55

open(unit = u, file='N.dat', status = 'old')

do i = 1, 3
    read(u, *) N(i, 1), N(i, 2), N(i, 3), N(i, 4), N(i, 5)
enddo
close(u)

call Matrix_mutip(M, N, Res)

u = 65
    open(unit = u, file = 'MN.dat', status = 'replace')
do i = 1, 5
    write(u, '(f9.2, f9.2, f9.2, f9.2)') Res(i, 1), Res(i, 2), Res(i, 3), Res(i, 4), Res(i, 5)
enddo

End Program Main
```

## Matrix\_mutip.f90

```
© OpenSSH SSH client

249. 40 321. 28 135. 42 251. 66 322. 83
229. 90 277. 34 115. 80 222. 61 283. 04
193. 38 239. 84 100. 18 191. 18 242. 60
206. 09 294. 73 133. 52 208. 97 300. 72
229. 90 277. 34 115. 80 222. 61 283. 04
```

```
[ese-zhangyx@login03 fortran_demol] vim Declination_angle.f90
[ese-zhangyx@login03 fortran_demol] vim Solar_elevation_angle.f90
[ese-zhangyx@login03 fortran_demol] ar rcvf libsea, a Declination_angle.o Solar_hour_angle.o
r - Declination_angle.o
r - Solar_hour_angle.o
[ese-zhangyx@login03 fortran_demol] gfortran Solar_elevation_angle.f90 -o Q2.x -L . -lsea
[ese-zhangyx@login03 fortran_demol] ./Q2.x
the SEA is 36.459915083363938
[ese-zhangyx@login03 fortran_demol] .__
```