

In this lab, students will practice how to use recursive subroutines in Fortran 90 programs.

Write and test a recursive subroutine `PrintReverse` that accepts an integer and displays it in reverse order. The program is as follows, but the subroutine is missing.

Hint: For an integer n , we can print the reverse order of n as follows. First print the last digit of n and then print other digits (which is $n/10$) in reverse order.

```
program testPR
implicit none
integer :: n
print *, "this program test a subroutine PrintReverse"
write(*, '(1x, a)', advance = "NO") "input a positive integer n: "
read *, n
print *, "The number ",n, "in reverse order is:"
call PrintReverse(n)

contains
recursive subroutine PrintReverse(n)

end subroutine PrintReverse
end program testPR
```