

Developed

# Branching Statement

Date  
10/02/20

Programming.

CLASSMATE

Date:

Page:

SEM-IV, Unit-5, paper-05

- (d) Nested Block IF  
IF inside another IF.

Fortran

```
IF (A.GT.0) THEN
  IF (B.GT.0) THEN
    C = A+B
  ENDIF
ENDIF.
```

- (e) ELSE IF Ladder.  
Used for multiple conditions.

Fortran.

```
IF (M.GE.60) THEN
  PRINT *, "First"
ELSE IF (M.GE.45) THEN
  PRINT *, Fail "Second"
ELSE
  PRINT *, "fail"
ENDIF.
```

- (f) SELECT CASE  
cleaner alternative to ELSE IF ladders

Fortran

```
SELECT CASE (N)
CASE (1)
  PRINT *, "One"
CASE (2)
  PRINT *, "TWO"
CASE DEFAULT
  PRINT *, "Others"
END SELECT
```