# HOMEWORK 4

## 3-1

1. Legal, true
2. Legal, false
3. Legal, false
4. Illegal, logical variable can’t be compare with relational operators
5. Legal, true (35/17.>0)
6. Legal, true (true=true)
7. Illegal, there are not two logical variable at two sides (17.5 is not).

## 3-4

I don’t think 20000℉ is a normal temperature. But if we use this “if construction”.

“ELSE IF ( TEMP > 97.5 ) THEN” need to be change to “ELSE IF ( 99.5>=TEMP .and. TEMP > 97.5 ) THEN” or move to the others behind.

So does “ELSE IF ( TEMP > 99.5 ) THEN” and “ELSE IF ( TEMP > 103.0 ) THEN”

## 3-7

There are a f90 file in this rar file.