```
    [* This test file should contain 21 errors *]

    $$
    real realVarA ,realVarB , realVarC;

    int XCoord, YCoord, ZCoord;
    int XCoord; [* duplicate symbol *]
    int aCoord, bCoord, cCoord;
    int operation;

    boolean success;

    realVarA = 10123; [* type mismatch *]
    realVarB = 610; [* type mismatch *]
    realVarC = 3; [* type mismatch *]
    XCoord = 20;
    YCoord = 912;
    ZCoord = 120;
    aCoord = true; [* type mismatch *]
    bCoord = false; [* type mismatch *]
    cCoord = unknown; [* undeclared variable *]
    unknown = cCoord; [* undeclared variable *]
    success = 420; [* type mismatch *]

    realVarA = XCoord; [* type mismatch *]

    get(operation);

    [* undeclared var in condition tests *]
        [* 1 *]
    if(unknown == 5) [*undeclared variable *]
    {
        success = false;
    }ifend

        [* 2 *]
    if(5 == unknown) [*undeclared variable *]
    {
        success = true;
    }ifend

    while(operation ^= 0 ){
        if(operation == 1)
        {
            aCoord = realVarA + XCoord; [* type mismatch *]
            bCoord = realVarB + YCoord; [* type mismatch *]
            cCoord = realVarC + ZCoord; [* type mismatch *]
        }ifend
        if(operation == 2.0) [* type mismatch *]
        {
            aCoord = realVarA - XCoord; [* type mismatch *]
            bCoord = realVarB - YCoord; [* type mismatch *]
            cCoord = realVarC - ZCoord; [* type mismatch *]
        }ifend
        if(operation == 3)
        {
            aCoord = XCoord * 2;
            bCoord = YCoord * 1.5; [* type mismatch *]
            cCoord = ZCoord * ZCoord;
        }ifend
        if(operation == 45)
        {
            aCoord = realVarA / XCoord; [* type mismatch *]
            bCoord = realVarB / YCoord; [* type mismatch *]
            cCoord = realVarC / ZCoord; [* type mismatch *]

        }ifend
        if( operation > 4)
        {
            operation = 0;
        }ifend
        if (operation > 0)
        {
            operation = 0;
        }ifend
        operation = operation - 1;
    }whileend

    put(aCoord);
    put(bCoord);
    put(cCoord);

    $$
```