🕸 **Dashboard** / Primer 2.0 - App Dev / Stage 1 / Software Fundamentals / Selection statements

Assignment: Work allotment

To decide on an employee's work allotment, the manager asks for his/her age, sex (M or F), marital status (Y or N). He then applies the following rules decide on their place of service:

* If the employee is a female,(either married or unmarried), she will work in urban areas only.
* If the employee is a male, unmarried and if the age is between 20 and 40, then he could be put to work anywhere.
* If the employee is a male, unmarried and if the age is between 40 and 60, he will work in urban areas.
* If the employee is a male, married then he will work in urban areas.

Write a pseudo code for this scenario. (use nested if logic)

Note: If age limit is less than 20, display "Age limit is less". If age limit is greater than 60, "Age limit is high". If age is less than 0, display "Invalid age".

Hint:

When writing the pseudocode, to make it easy, handle all invalid cases first.

    IF **age less than 20 AND greater than 1** THEN
        PRINT the corresponding message
    ELSE IF **age greater than 60** THEN
        PRINT the message
    ELSE IF **age is valid - between 20 AND 60** THEN
        Check IF **sex is Female** and Print the message

ELSE
    Check **if married** and Print the message
    Else **check if age between 20 and 40** and print message
    Else **check if age between 41 and 60** and print message
ELSE print Invalid age

Submission status

Submission status	Submitted for grading
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Online text

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BEGIN

DECLARE age, sex, maritalStatus

READ age, sex, maritalStatus

 IF **age less than 20 AND greater than 1** THEN
        PRINT "Age limit is less"
    ELSE IF **age greater than 60** THEN
        PRINT "Age limit is high"
    ELSE IF **age is valid - between 20 AND 60** THEN
        Check IF **sex is Female** and Print "Work in urban areas"
        ELSE
            Check **if married** and Print "Work in urban areas"
            Else **check if age between 20 and 40** and print "Can work anywhere"
            Else **check if age between 41 and 60** and print "Work in urban areas"
    ELSE print Invalid age

END

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