**Task 3 – Number Range**

**Algorithm**

 Use prompt() to get a number from the user and store it in variable num.

 Convert the input string to a number using Number() or parseInt().

 Check:

* If the number is greater than 10 **and** less than 20.
* If the number is less than 5 **or** greater than 100.

 Display the results using both console.log() and alert().

**Psudocode**

START

PROMPT user for a number and store in num

CONVERT num to number type

DISPLAY entered number in console

IF num > 10 AND num < 20

DISPLAY "Number is between 10 and 20" using alert and console

ELSE

DISPLAY "Number is NOT between 10 and 20" using alert and console

IF num < 5 OR num > 100

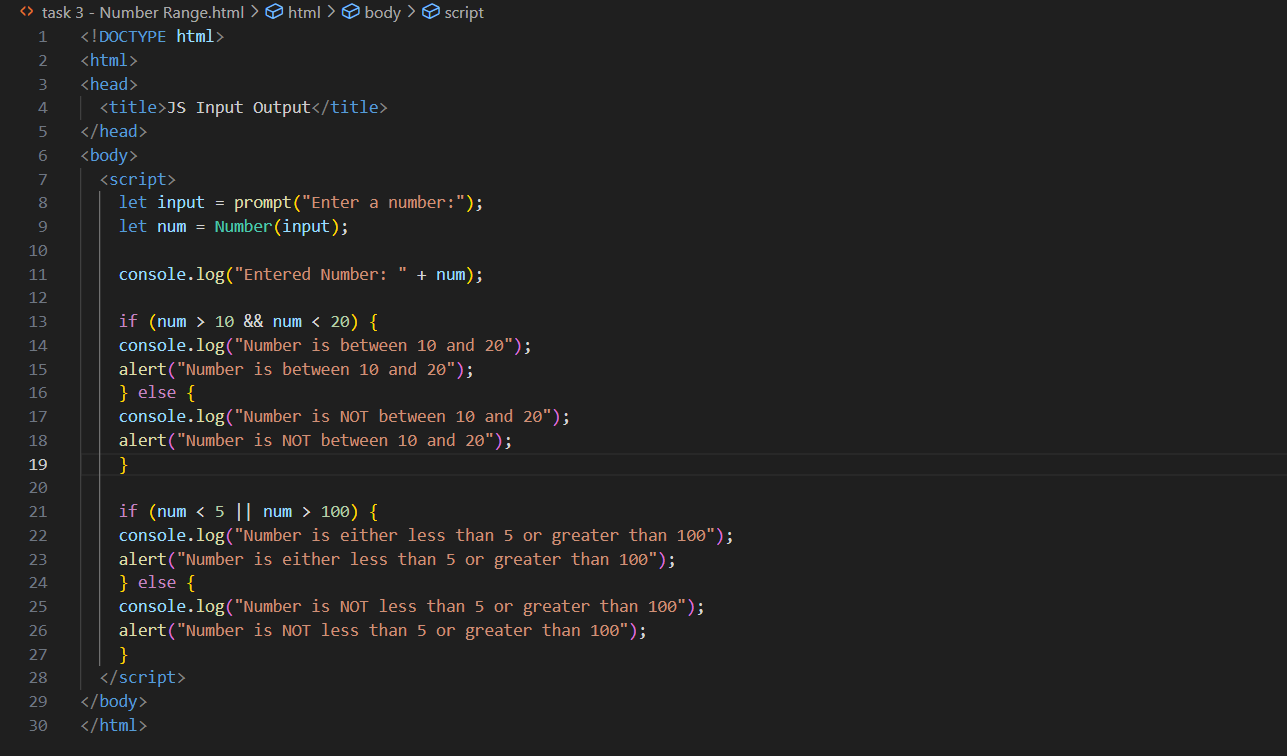
DISPLAY "Number is either less than 5 or greater than 100" using alert and console

ELSE

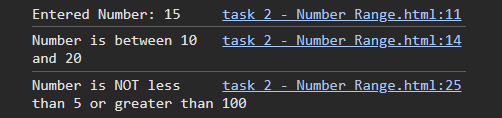
DISPLAY "Number is NOT less than 5 or greater than 100" using alert and console

END

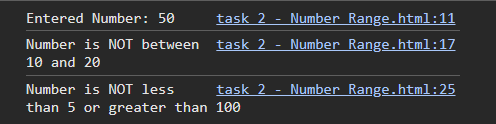
**Code(javascript)**

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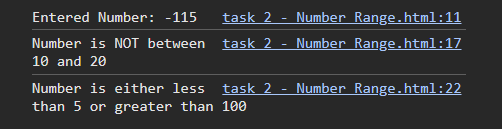
**Output (test case 1)**



**Output (test case 2)**



**Output (test case 3)**



**Observations**

 The program uses **logical operators** && (AND) and || (OR) for condition evaluation.

 User input is handled dynamically and validated.

 Results are displayed clearly in **both console and alert**, helping visualize logic flow.

 This exercise builds understanding of **range checks** and logical branching.