1. There were syntax errors such as missing closing parentheses and incorrect use of assignment (=) instead of comparison (===).
2. The code attempted to reassign a constant variable (date) which is not allowed.
3. The code attempted to create a new variable inside an if statement using let which would not be accessible outside the if statement.

To achieve the intended behavior, I made the following changes:

1. Fixed syntax errors such as adding missing closing parentheses and using the correct comparison operator (===).
2. Changed the reassignment of date to a declaration of a new constant variable called month and declaration of a new constant variable called december.
3. Changed the declaration of count from const to let and initialized it to 0.
4. Changed the increment of count from let count = count + x to count += x.

These changes resulted in the intended behavior because they fixed the syntax errors and correctly declared and incremented the variables to produce the expected output.

There are other ways to solve this problem, such as using an array to store the holidays and iterating through them to output the holidays and count the total number of holidays. However, the original code and the corrected code use a simpler approach of outputting each holiday one by one and incrementing the count variable.