Q: In a certain program, variable $X$ is type \textit{char}. The program reads a character typed by the user into $X$. If the character entered is \textit{not} a lower case letter the program should output the message “Not lower case”.

Write an appropriate \textit{if} statement. (Assume the program uses ASCII coding).
A:

We know that the ASCII codes for lower case letters are ordered and consecutive so we just have to check the ends of the range.

```c
if (X < 'a' || X > 'z') printf("Not lower case");
```