Task: Create a beginner-friendly Python program to calculate the electric bill. The program should request the user's first name, last name, electric usage in kilowatt-hours (kWh), and whether they benefit from a discount contract. Develop code that persistently asks for the discount contract status until a valid response ("yes" or "no") is received. If the user holds a discount contract, exclude the distribution fee (D) from the total bill. Ensure the displayed total electric bill is rounded or formatted to two decimal places.

Utilize the subsequent formulas for electric bill calculations:

* The Active Energy Unit Price (AU) stands at 0.91555 Turkish Lira per kWh for November 2021.
* Value Added Tax (VAT) is 18%, represented as 0.18.
* Distribution Fee Unit Price (DU) equals 0.2651 Turkish Lira per kWh.
* Active Energy Price (A) is calculated as Active Energy Unit Price (AU) multiplied by Electric Amount Used (electric\_amount).
* Distribution Fee (D) is determined by multiplying Distribution Fee Unit Price (DU) with Electric Amount Used (electric\_amount).
* Energy Fund Fee (F) is computed as 0.007 times the Active Energy Price (A).
* Total Before VAT (total\_before\_VAT) is the sum of A, D, and F.
* The Total Electric Bill (total electric\_bill) is calculated as (1 + VAT) multiplied by Total Before VAT.

Note: You are permitted to employ the provided abbreviations (e.g., AU, A, DU, F, etc.) in your code. If additional abbreviations are used, include comment lines to clarify them. Be sure to define new variables for scenarios involving a user with a discount contract.

Kindly submit your code in the .py format.