

Python Programming Test

1. Boolean variable

Write a program that has a Boolean variable that represents whether or not it is raining outside. Your program should print **I'm going to dance in the rain!** if it is raining, and **I'm going to dance in the sun!** if it is not raining.

2. Presidential Eligibility

Write a program that reports whether or not someone is eligible to run for president in the U.S. You should do the following in your program:

- a. Ask the user for their age, and store it in a variable
- b. Ask the user if they are a citizen of the U.S.
- c. Ask the user how long they've been a resident in the U.S.
- d. Use an if-else statement with the proper comparison operator to print

You are eligible to run for president! if they have the following credentials:

- They are at least 35 years old
- They were born in the U.S.
- They have been a resident for at least 14 years

An example run of your program might look like this:

Age: 19

Born in the U.S.? (Yes/No): Yes

Years of Residency: 19

You are not eligible to run for president.