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Homework 2 Documentation

Program 1:

- Enter the year that you want to check if it is a leap year or not.
- The program will give output that if the year is a leap year or not.
- This program uses for loop to check 8 years.
- This program uses leap_year(int year) function which returns a boolean value 1 or 0.
- If the leap_year(int year) function returns 1 then it is a leap year and if it returns 0 then it is not a leap year.

Program 2:

- Enter the 5-digit zip code which you want to convert it to barcode.
- The program will give output of barcode.
- This program uses 3 functions - barcode(int zipcode), convertDigit(int value), makeCheckDigit(int zipcode).
- makeCheckDigit(int zipcode) function takes zipcode and returns checkdigit value.
- convertDigit(int value) function takes digit value and returns the specific digit barcode.
- barcode(int zipcode) functions takes zipcode and returns the complete barcode.