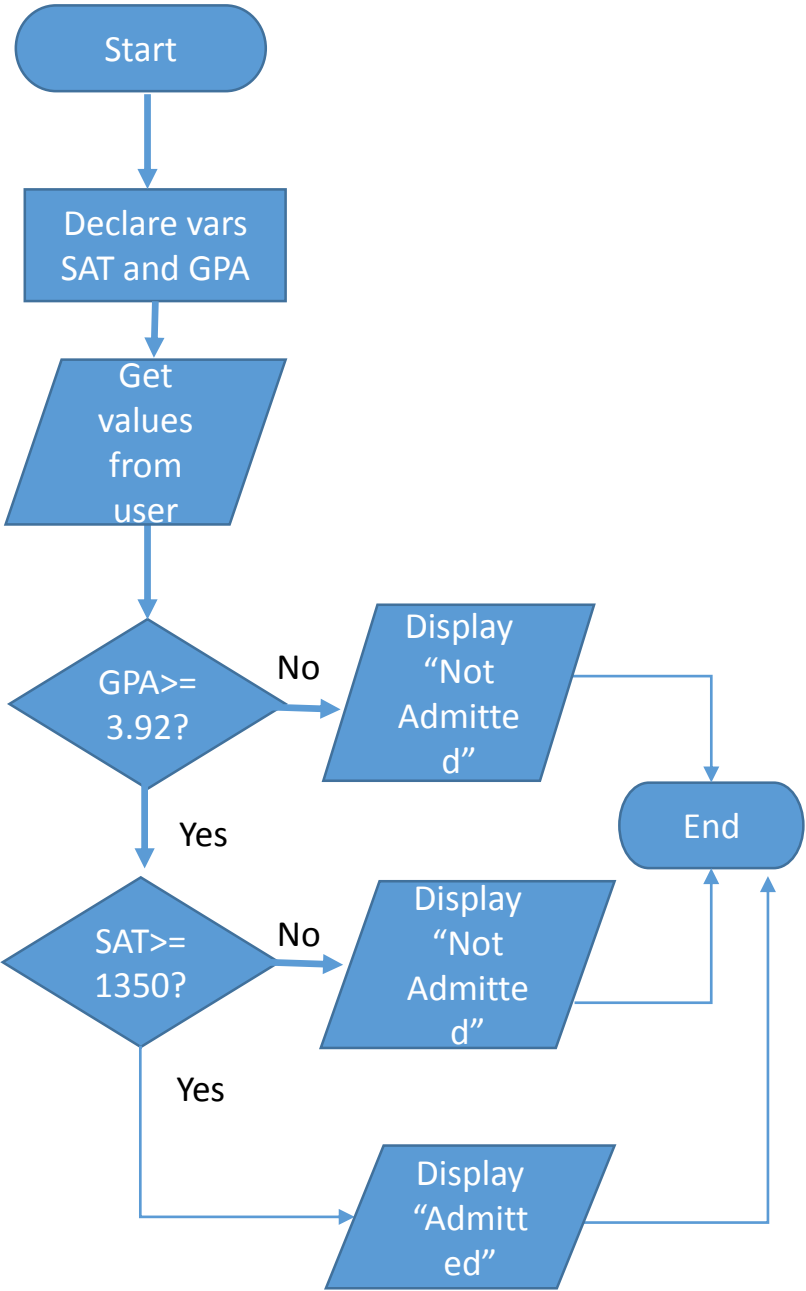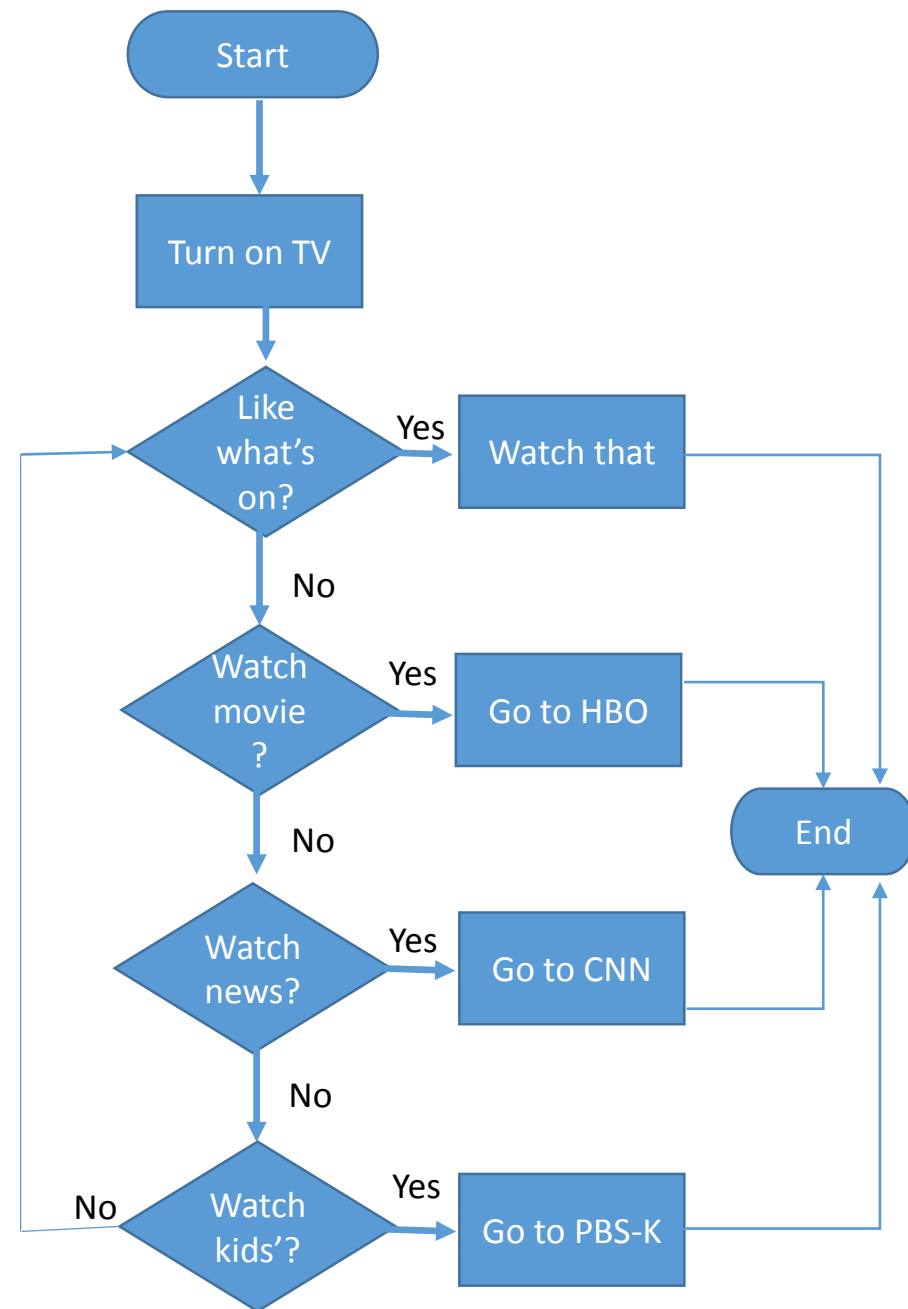# Your turn!

- Draw a flowchart for a program that will do the following:
    - Declare two variables (one for GPA, one for SAT)
    - Ask the user to provide the values for each
    - Determine if the user will be admitted to a certain college. To be admitted, the user needs GPA>3.92, SAT>=1350
    - Display whether the user is admitted or not admitted, based on the numbers they provided
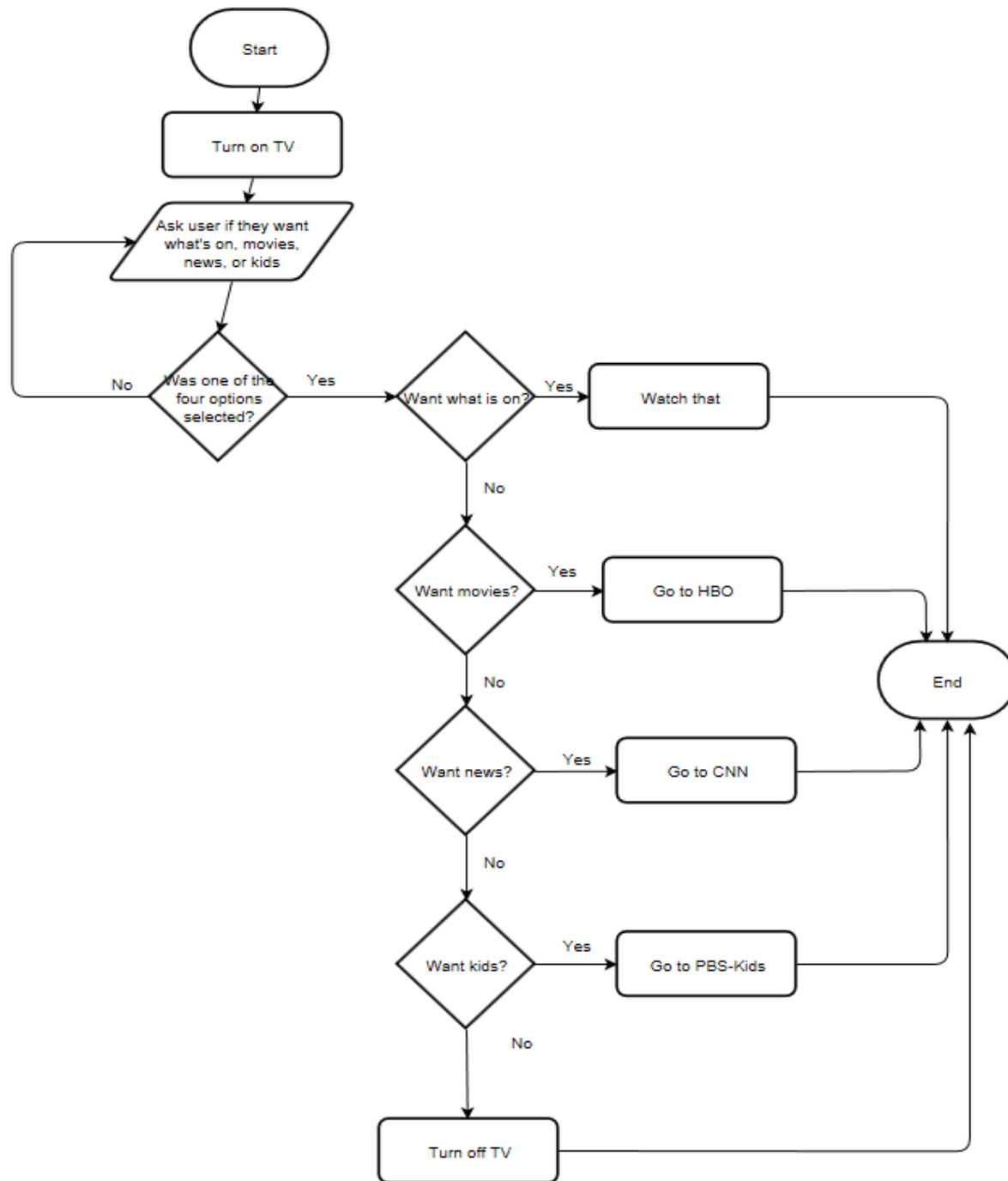
Solution

For example:

- Modify our TV example (see right) such that we ask the user to select which of the four options they want to watch

- Error check user input

Start

Turn on TV

Ask user if they want what's on, movies, news, or kids

Was one of the four options selected?

No → (loops back to Ask user)

Yes → Want what is on?

Want what is on? → Yes → Watch that

Want what is on? → No → Want movies?

Want movies? → Yes → Go to HBO

Want movies? → No → Want news?

Want news? → Yes → Go to CNN

Want news? → No → Want kids?

Want kids? → Yes → Go to PBS-Kids

Want kids? → No → Turn off TV

End

Your turn!

- Create a program that displays the multiplication table for a number provided by the user
  - Save the user-provided number in a previously declared variable
  - Users can only provide numbers between 1 and 10 (make sure you error check)
  - The program displays the number given by the user once, then displays the result of the number times numbers 1-10
  - Use loops to help you create a more efficient program