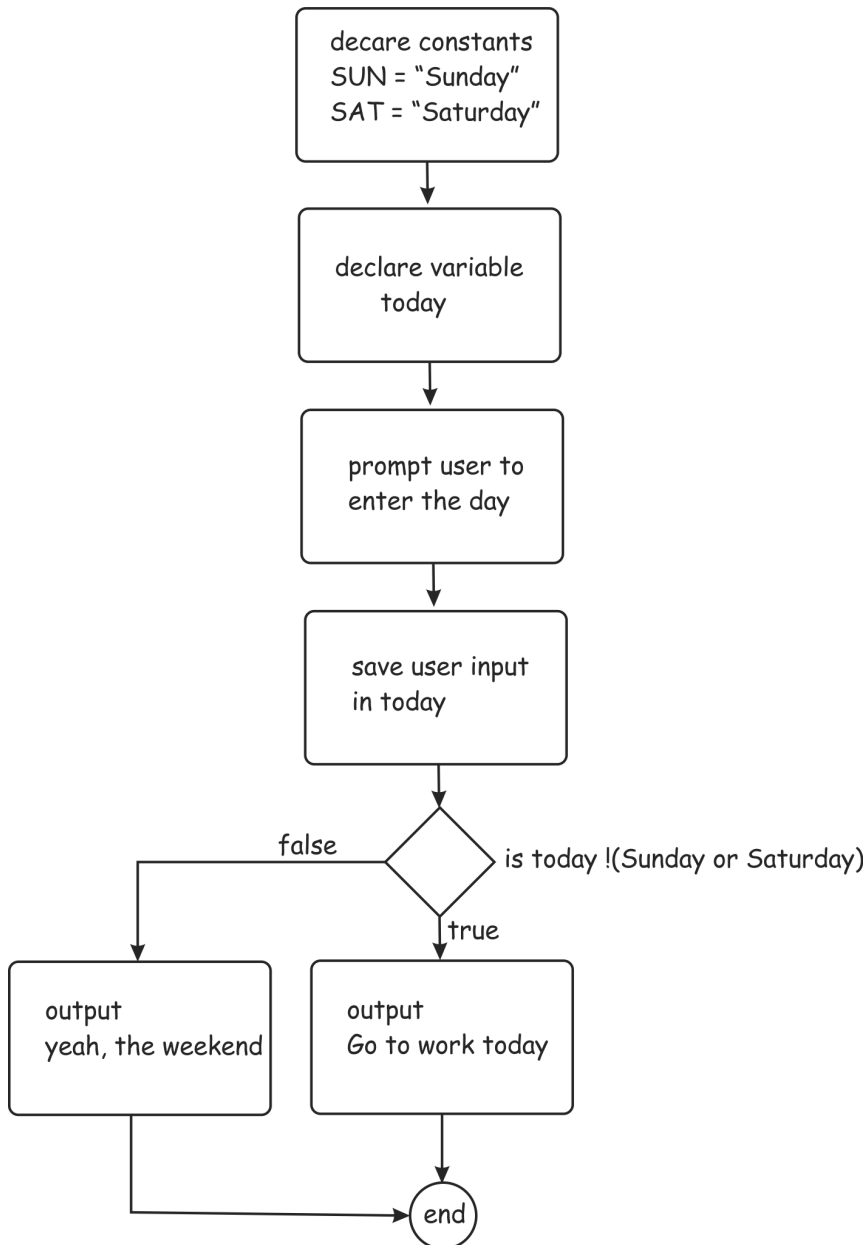# Activity Diagrams

When you are designing code that uses decisions, it is often helpful to draw a picture of the logic flow in the program. These pictures are called **Activity Diagrams**. The form of an activity diagram is very specific. Rectangles are used to describe one activity or step in the program. Diamond shapes are used to show a decision. Arrows link the activities together. The example below is an activity diagram for the "Should I go to work" program in this lab.

I use a drawing program to create my activity diagrams. You can also use Powerpoint, Microsoft Paint, Visio, or any other program that lets you draw the required elements. You can even draw the diagram with pencil and paper. To submit a diagram, convert your picture into a PDF file. If you have a hand drawn diagram, take a picture of it with your cell phone or scan it in.