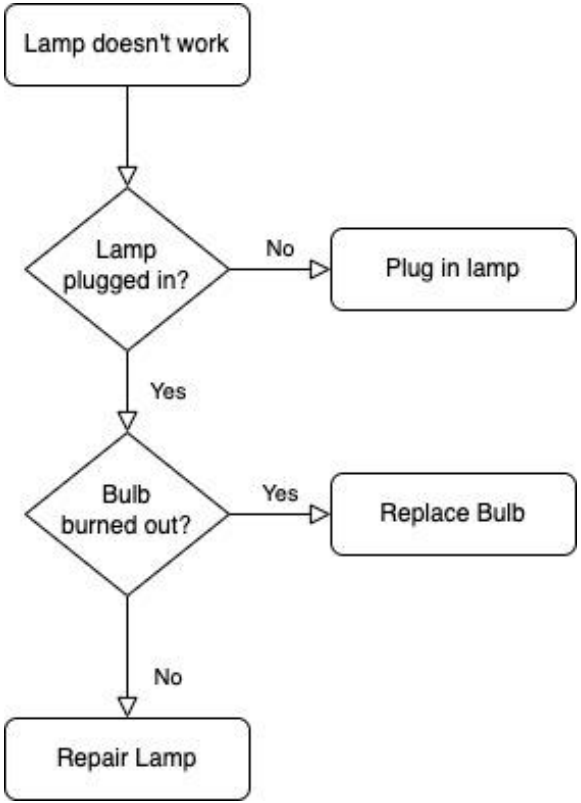
Password Generator Flowcharts

Examples of answers from Pseudocode class

A) It's making a thesis for your potential algorithm, you are testing it and then you will prove it by translating your pseudocode to a real language
B) I think pseudocode is important for writing an algorithm because it helps you better conceptualize the code and it is more similar to human language so would be easier to create an algorithm for it.
C) It is important because it gives you steps to follow so you can write your code better

What are Flowcharts?

A Flowchart is a simple diagram showing the “flow” of a process.



Lamp doesn't work

Lamp plugged in?

Yes

Bulb burned out?

No

Repair Lamp

No

Plug in lamp

Yes

Replace Bulb

Lesson Objective:

Given the presentation on flowcharts and the code for the password generator, I will be able to create a flowchart for the project.

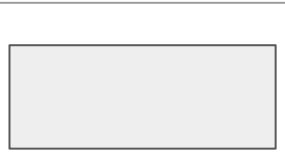
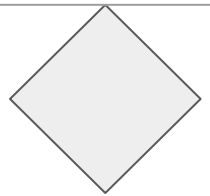
Lesson-Agenda:

- Warm-Up (5 minutes)
- Mini-Lesson (5 minutes)
- Practice/Application (5 minutes)
- Flowchart Assessment (35 minutes)
- Exit Ticket (5 minutes)

Flowcharts

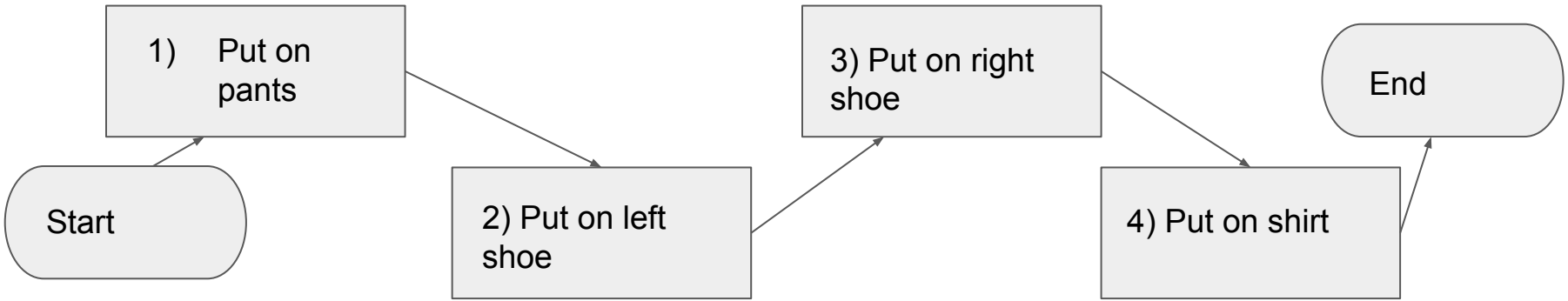
Flowcharts are a visual diagram for “the process” of an algorithm.

The Process Block	Conditional	The Terminal Block	Arrow
Shows the state	Shows two different	Show the start/end	show the flow of the code


Example Flowchart for dressing algorithm

1) Put on pants
2) Put on left shoe
3) Put on right shoe
4) Put on shirt



Instructions to create a flowchart

1. Visit https://app.diagrams.net/
2. Choose create a flowchart
3. When you have completed your flowchart export it as a jpeg
4. Copy and paste the jpeg into the next Do Now.

Do-Now:

Mild

Visit the code: https://scratch.mit.edu/projects/765206807/editor/ and create a flowchart for this code.

Medium

Visit the code: https://scratch.mit.edu/projects/765187421/editor/ and create a flowchart for the code.

Spicy

Visit the code: https://scratch.mit.edu/projects/763033655/editor/ and create a flowchart for the code.

If you have started your own version of the password generator. Create a flowchart for the code that you have created.

Do Now:

Copy and paste the jpeg of the flowchart here:

Exit Ticket:

I am on a scale of 1 to 4, 1 being totally unprepared 4 being prepared, ready to present/showcase my password generator project.