

Agenda

- Control Statement
- Flowchart
- Syntax and Indentation
- if block
- else block
- if-else block
- elif block

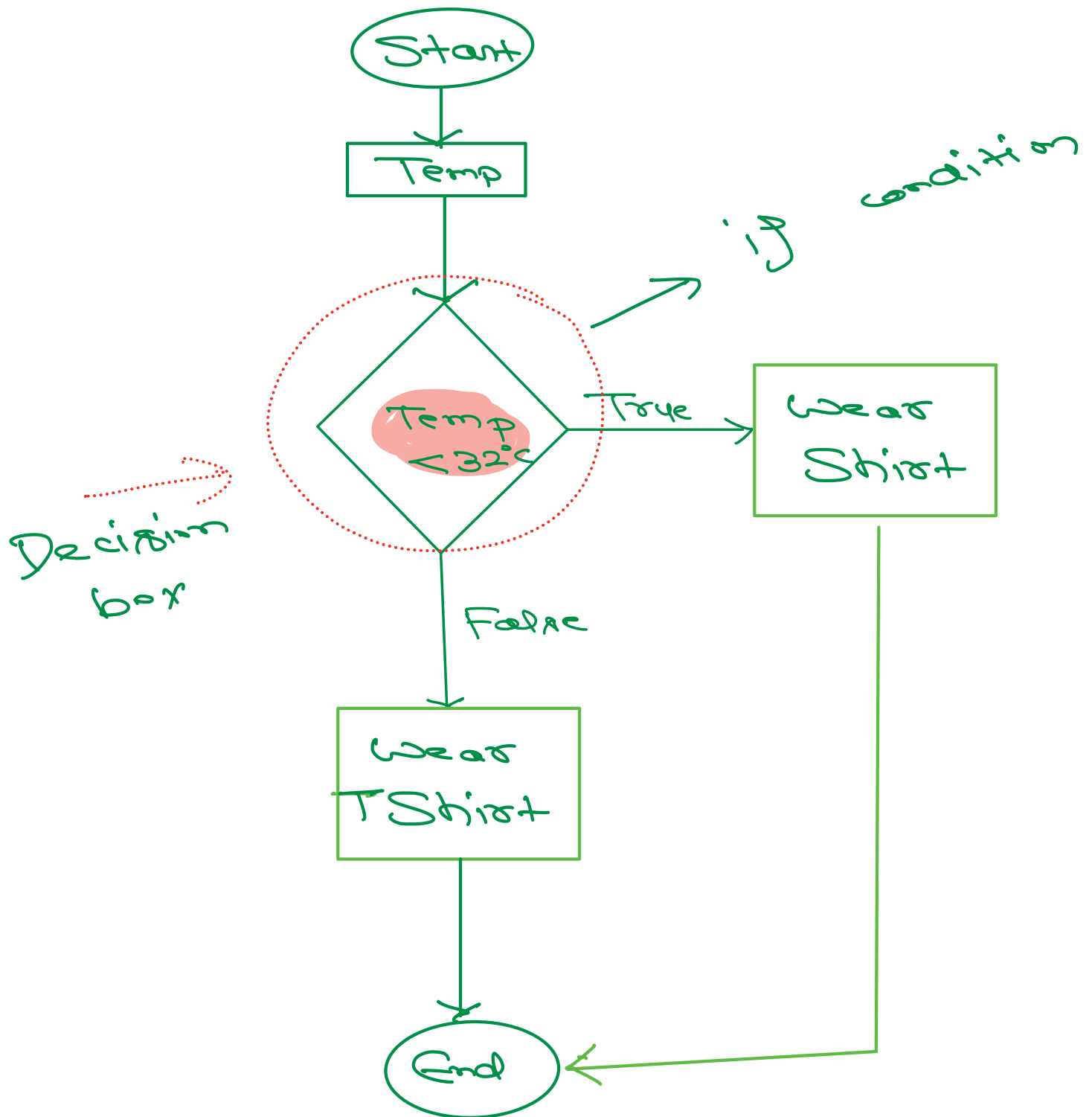
Control Statement

- To Help Computer make decision

Flow Charts

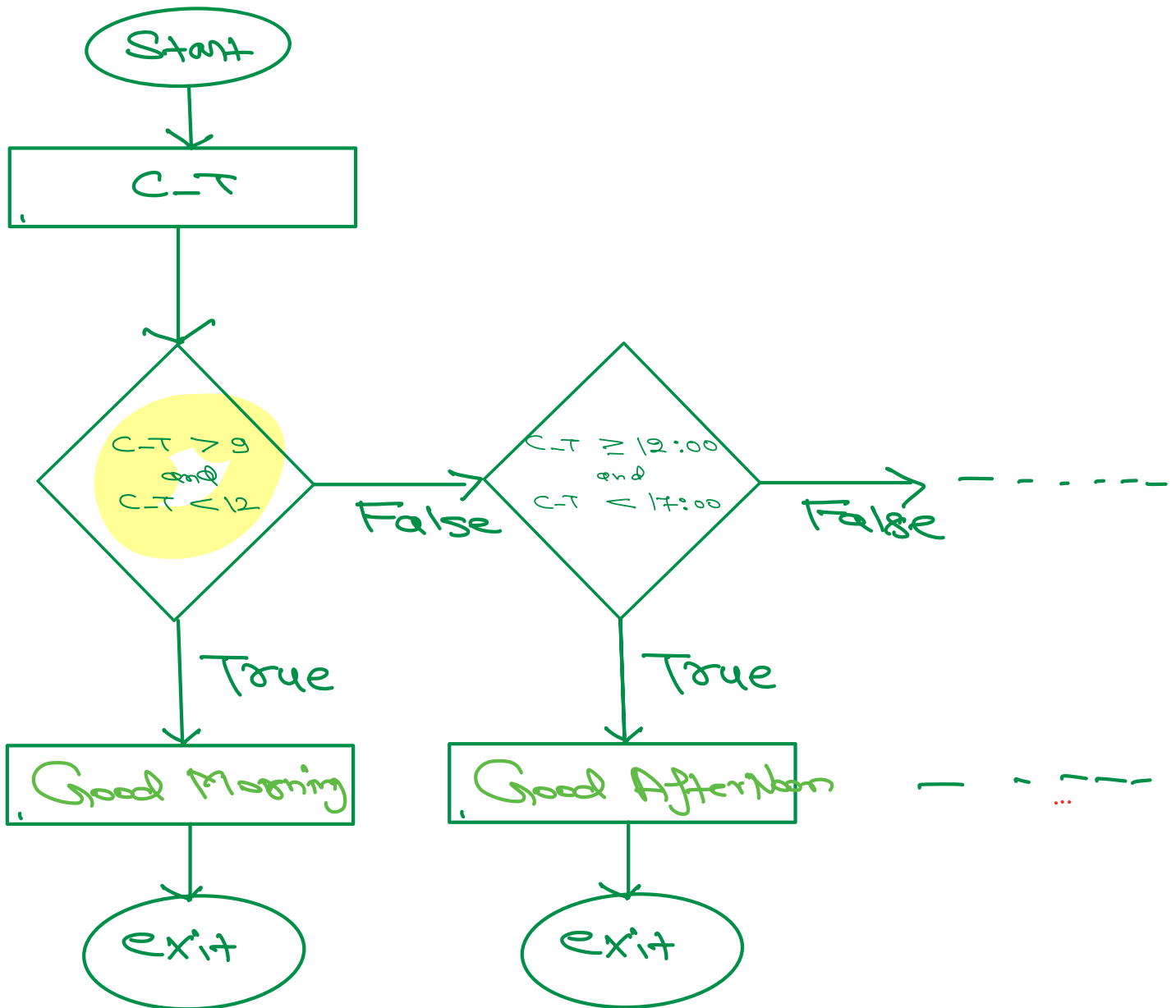
- Representing the decision making process
- It help in determining what should be done based on result of Condition

→ threshold $\Rightarrow 32^\circ$



Ex 2: Greeting program

- 9 am - 12 am → Good Morning
- 12 pm - 5 pm → Good Afternoon
- 5 pm - 8 pm → Good Evening
- 8 pm - onwards → Good Night



① : Create Flowchart which take Standard 12 Hr input format time with AM and PM and converts it into 24 Hour Format

↓ Time

↓ AM-PM

1 AM	1 PM
↓	↓
1:00	(2+)
	↓
	13:00

if block

Syntax



Block of Code

} Do all of this if and if

Indentation

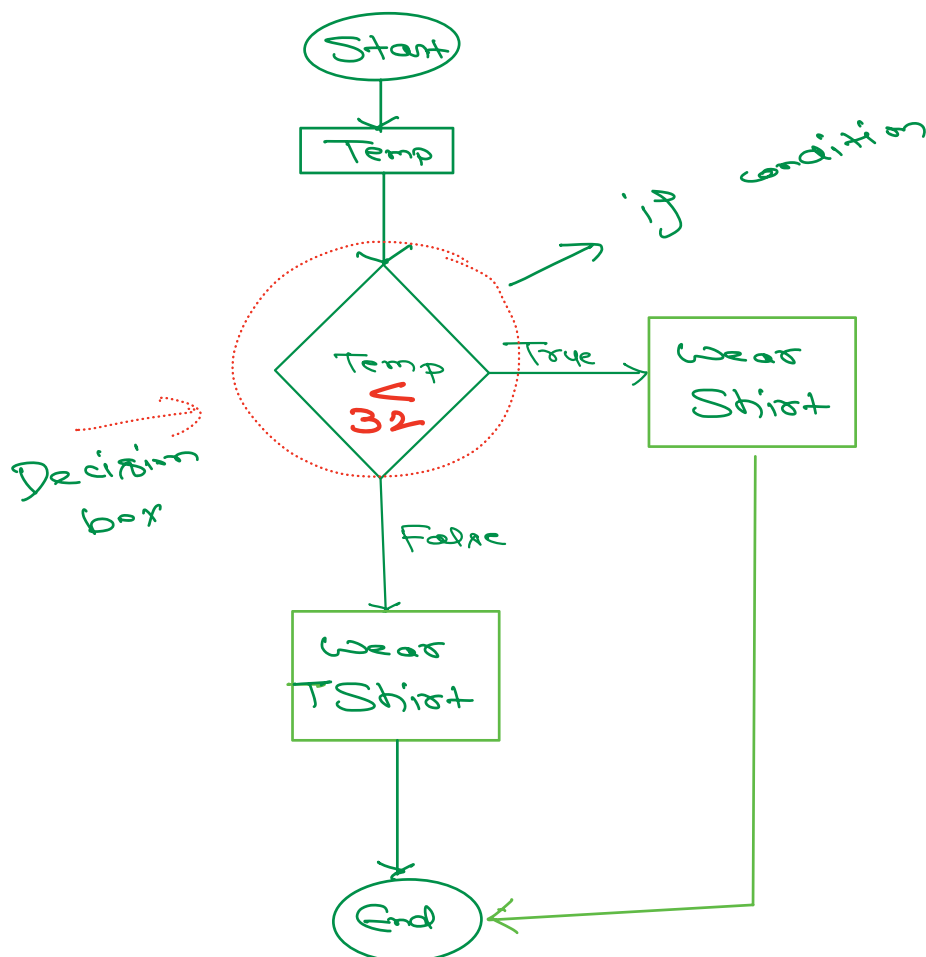
* Colon marks start of new Block

* Once a new block starts all the code should follow **Consistent Spacing**

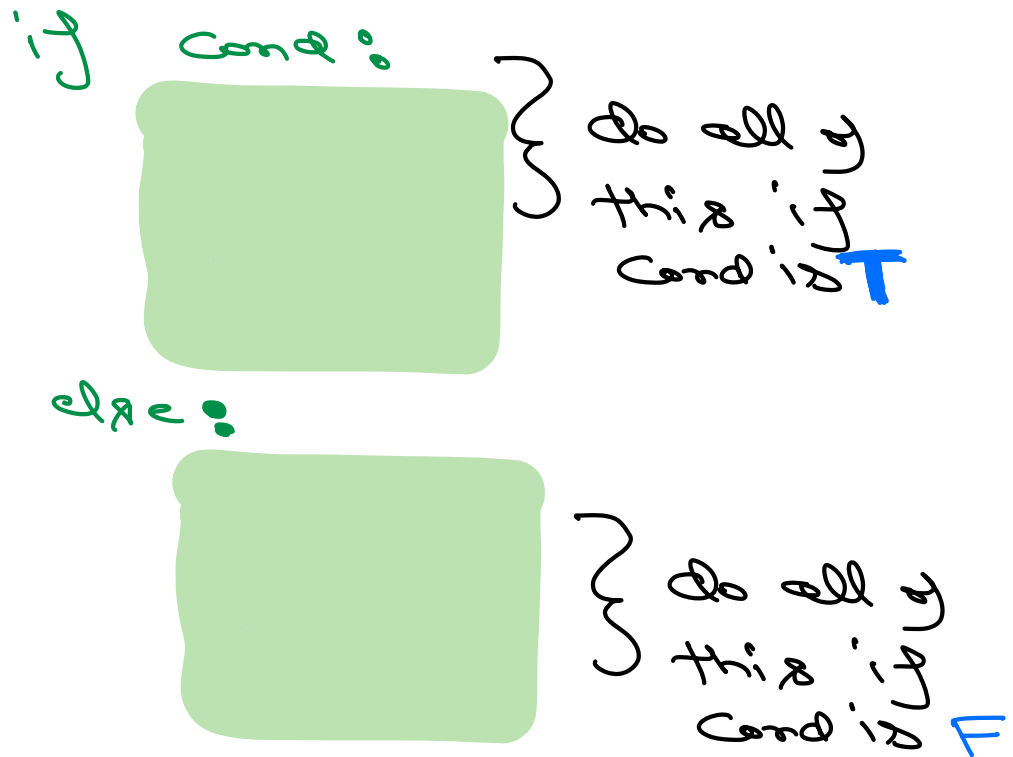
Good Practice
4 space or Tab

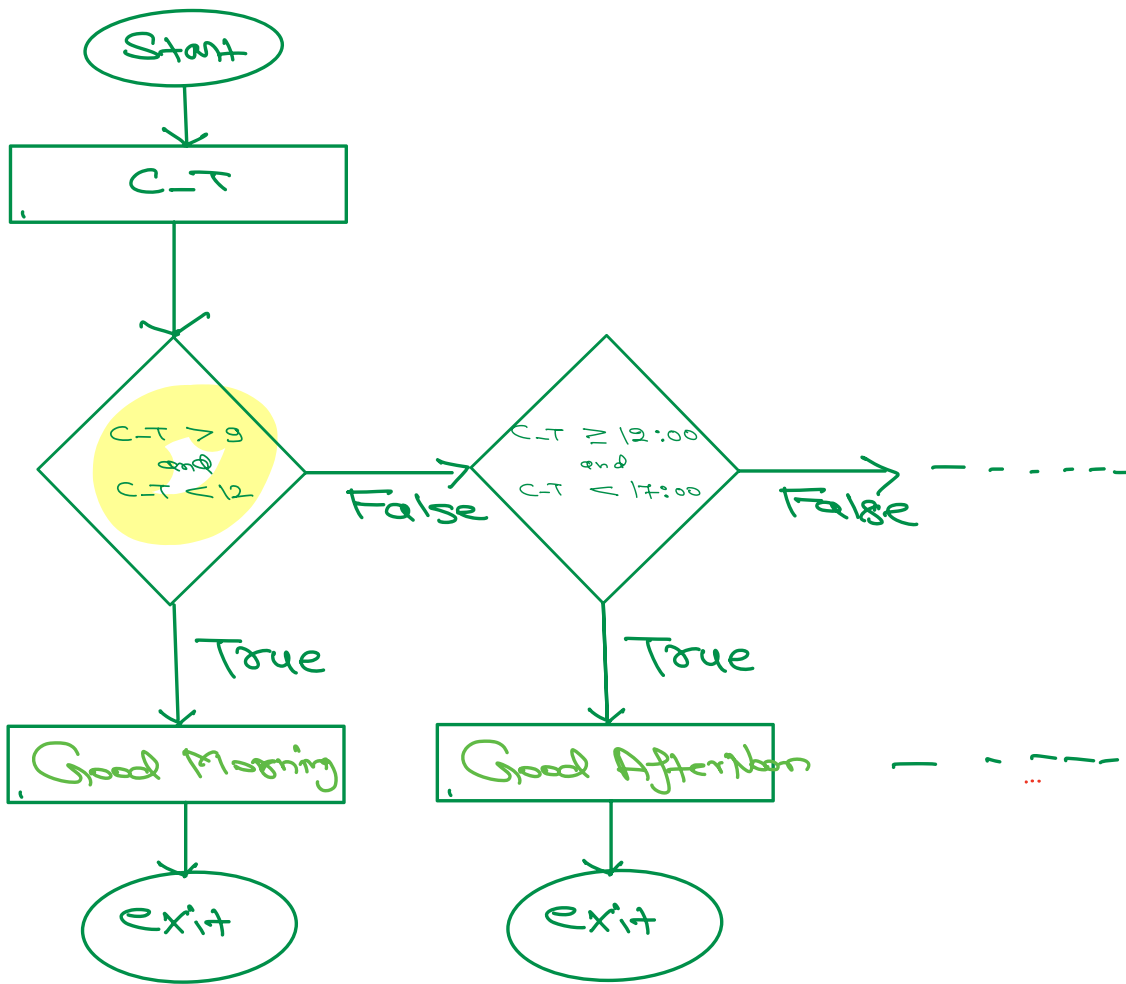
⚠ Indentation Error when spacing is not consistent

Let's Go back to our 1st problem:



To fully convert above flowchart into
code, we need else





if

Cond1:



elif

Cond2:



elif

Cond3:



else:

if any Cond is T

block is executed and Code exits

all elifs are dependent on their previous Cond, i.e