Arduino IDE   C/C++ → C++

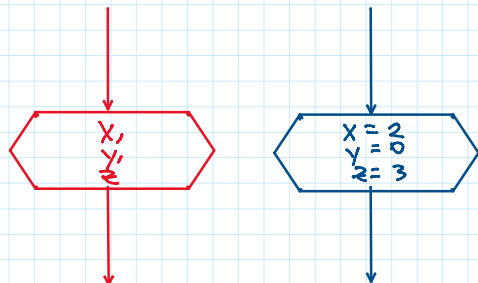Python

Terminal Blocks

i) Start & End block

Start

Begin

← Flow lines

End

End
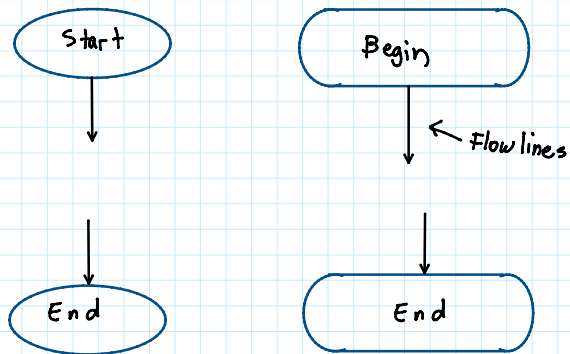
2) Initialization Block

Declaration   or   Initialization

$X = 1$

X, Y, Z

$X = 2$
$y = 0$
$z = 3$

Variable
$X, = "One"$
↑
box

$X == "one"$

$<=$
$>=$
$!=$

$=$
$\leq$
$\geq$
$\neq$

3) Process Block

Sum = 6 + 4

X = np. sin (np. pi/2)

def var(x):
   return x = 3+y

$X = \sin\left(\frac{\pi}{2}\right)$

4) Input/Output Block

Enter 6 & 4. ← Input

Sum = 6 + 4

Print Sum ← output

Enter 6 & 4 ← Input

Sum = 6 + 4

Print Sum ← output
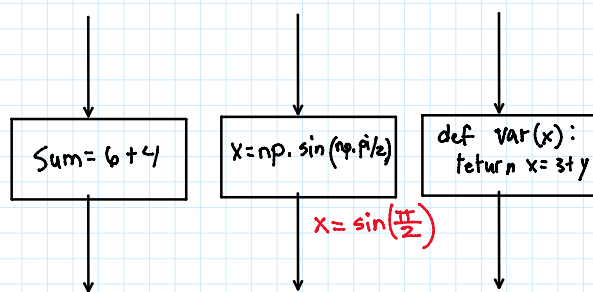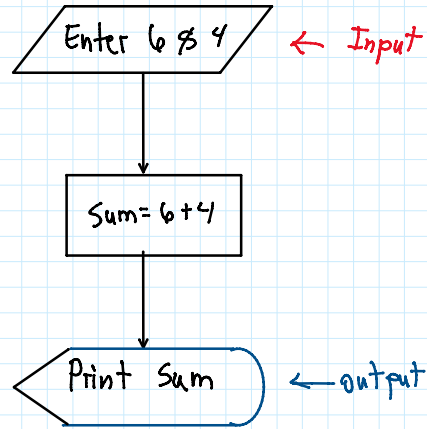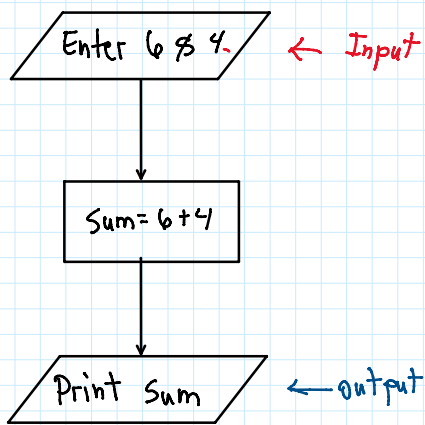
5) Decision Block

box
↓
$X = 2$
$X == 2$

T   if
     x == 2   F

End
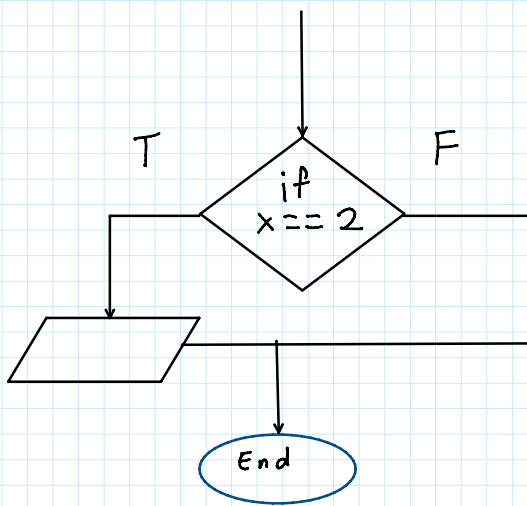
a. Single Alternative Selection Structure

F   if
     x == 2   T

End
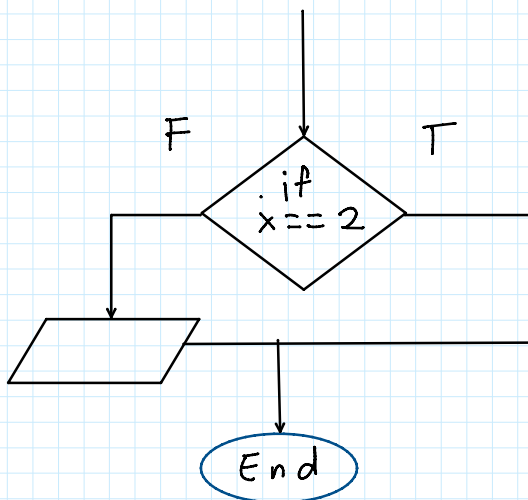
b. Dual Alternative Selection Structure

F   if
     x == 2   T

End

6) Connectors

Page 1

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```
| Sum = 6 + 4 |
```

↓

Ⓐ

Page 2

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/ Print Sum /