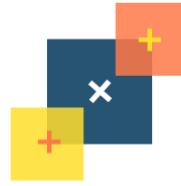


# WEEK 5 FOR LOOP



TECH BHOI

JUL 27  
JUL 31  
2020



MON  
JUL 27

# FOR LOOP

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Being a programmer promotes the use of technology to do our mundane chores/tasks. Sometimes, we need to repeat a task (we call this looping) . this is where we will see how important the for loop is for doing the same thing again and again. Say you pack your schoolbag with some items (can be stored as a list). We put into our bag : homework, pencilcase, lunchbox, textbooks, computer. When we get to our locker at school we want to take all those things out and put them in our locker for the day.

## ENGLISH

What we can say is that for every item in our bag, take out the item and put it into our locker.

## LOGIC

for every item in bag, remove and put in locker.

## PSEUDO CODE

```
locker = [] ## is empty originally
bag = [hw,pencilcase,lunchbox,textbooks,computer]
for item in bag:
    locker.append(item)
    bag.remove(item)
print bag
print locker
```

**Change the above code and run it to see what happens**

# FOR-MALIZED

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1. Write the **for** keyword for to indicate the start of a for loop.
2. Declare the name of the **looping variable**
3. write the keyword **in** to show where to loop
4. write the **name of a list** of which we want to loop through, then put a colon ":"
5. using the appropriate **indentation**, indicate what steps are to be taken while executing the for loop

```
for loopVariable in listName:  
    doThis  
    ...  
    doThisToo  
DoThisAfterForLoop
```