

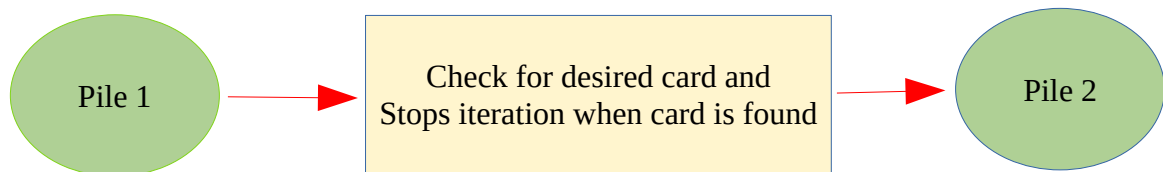
A brief Summary of Week 2

Conditional termination in iteration:

Iteration: “Repetition of a process”

Termination in iteration: When Pile 1 is empty.

Conditional termination: Stops the iteration when a desired/specific data is found.



Examples: (i) Find a card in which all subject marks are above 90 from the “Scores” dataset.

(ii) Find a card in which three different category of items are present from the “Shopping Bills” dataset.

Example:

A = True

```
while(Pile 1 has more cards and A){
    Read card X
    if(X.City == “Chennai”) {
        A = False
    }
    Move card X to Pile 2
}
```

Pseudocodes: “Textual representation of procedures”

Example:

```
Start
Count = 0
while (Pile 1 has more cards) {
    Pick a card X from Pile 1
    Count = Count + 1
    Move card X to Pile 2
}
End
```

Assignment statement: Count = 0

Sum = Sum + X.Mathematics

Equality statement: A == B

A = 3

B = 5

A == B --- False

B = 3

A == B --- True

Conditional execution:

(i) One time: if (condition) {

}

: if (condition) {

}

else {

}

(ii) Repeatedly: while (condition) {

}