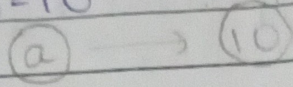


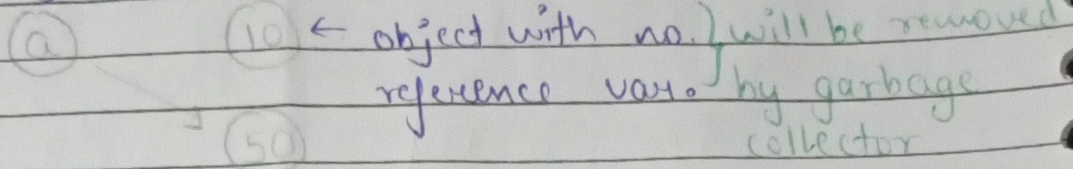
Now initially,

$a = 10$



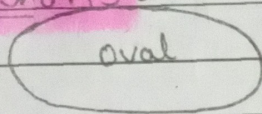
then,

$a = 50$

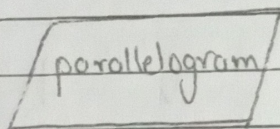


Flow of Program:

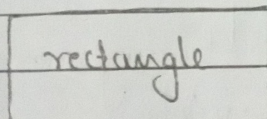
* Flowcharts:



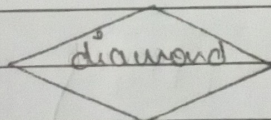
Start/Stop



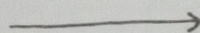
Input/Output



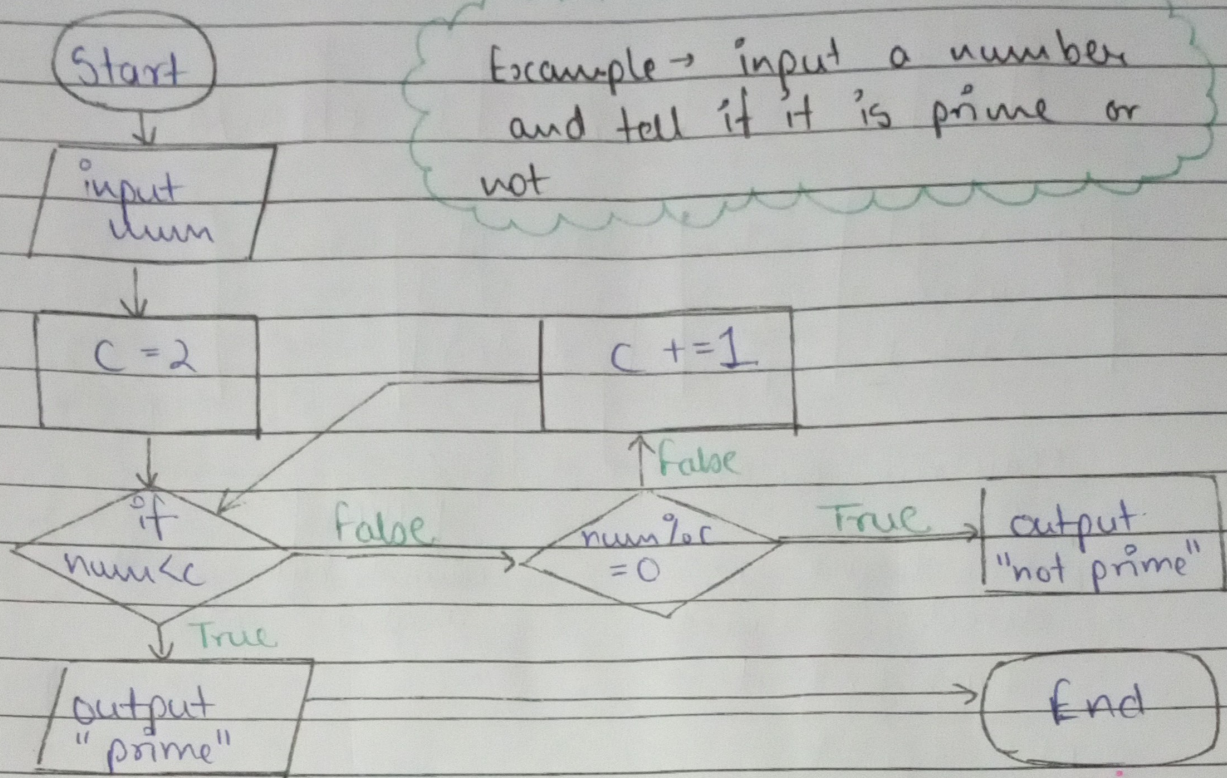
Processing



conditional
statement



direction of
program



* Pseudocode :

- just a way to write steps in human readable format
- represents algorithm of how a program works
- this is not a code in any language

Example :

Start

if $\text{num} \leq 1$:

 print ("neither composite nor prime")

$c = 2$

while $c < \text{num}$:

 if $\text{num} \% c = 0$:

 output "not prime"

 Exit

$c = c + 1$

end while

output "Prime"

Exit

To optimize we can check till $\sqrt{\text{num}}$ (if $\text{num} > c$)