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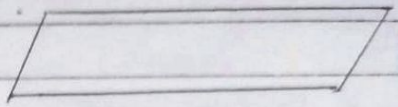
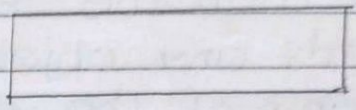
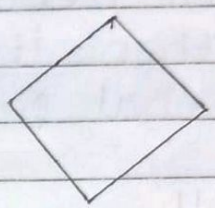
# * Flowcharts *

Start / stop ⟶  oval

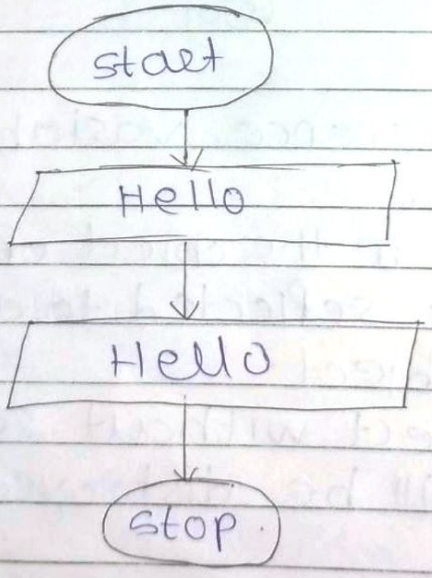
Input / output ⟶  Parallelogram

Processing ⟶  rectangle

Condition ⟶  ~~Condition~~ Diamond

Flow direction ⟶  line

Ex:) Take a name & output Hello Name



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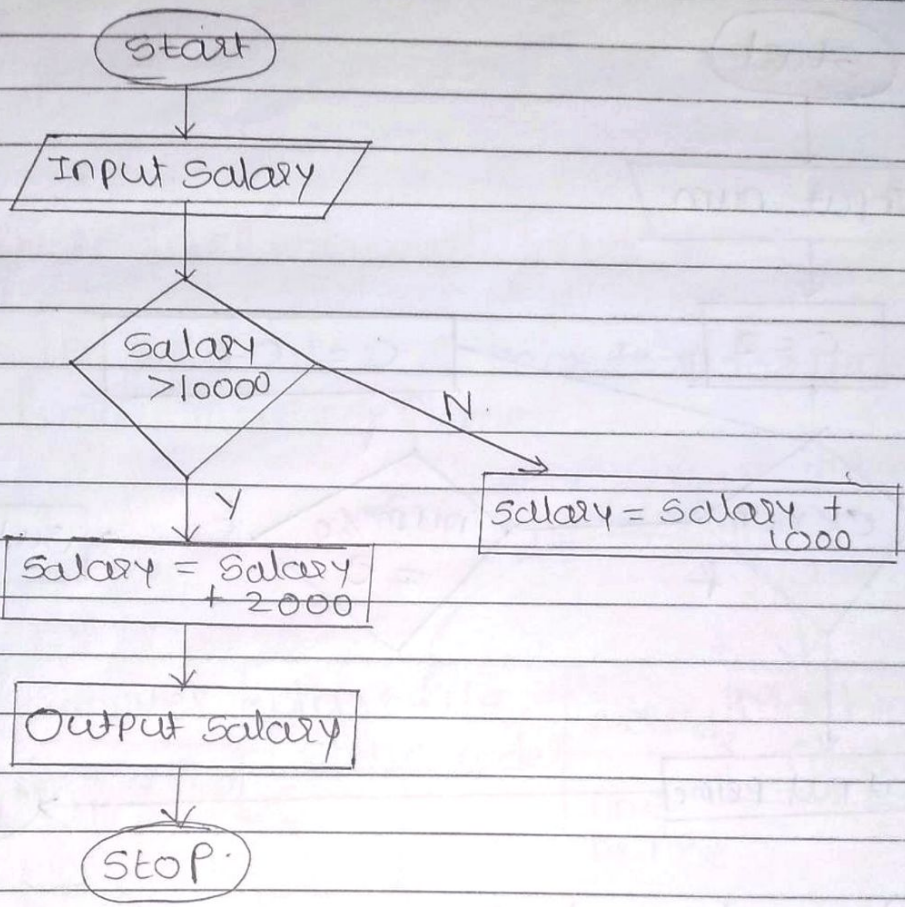
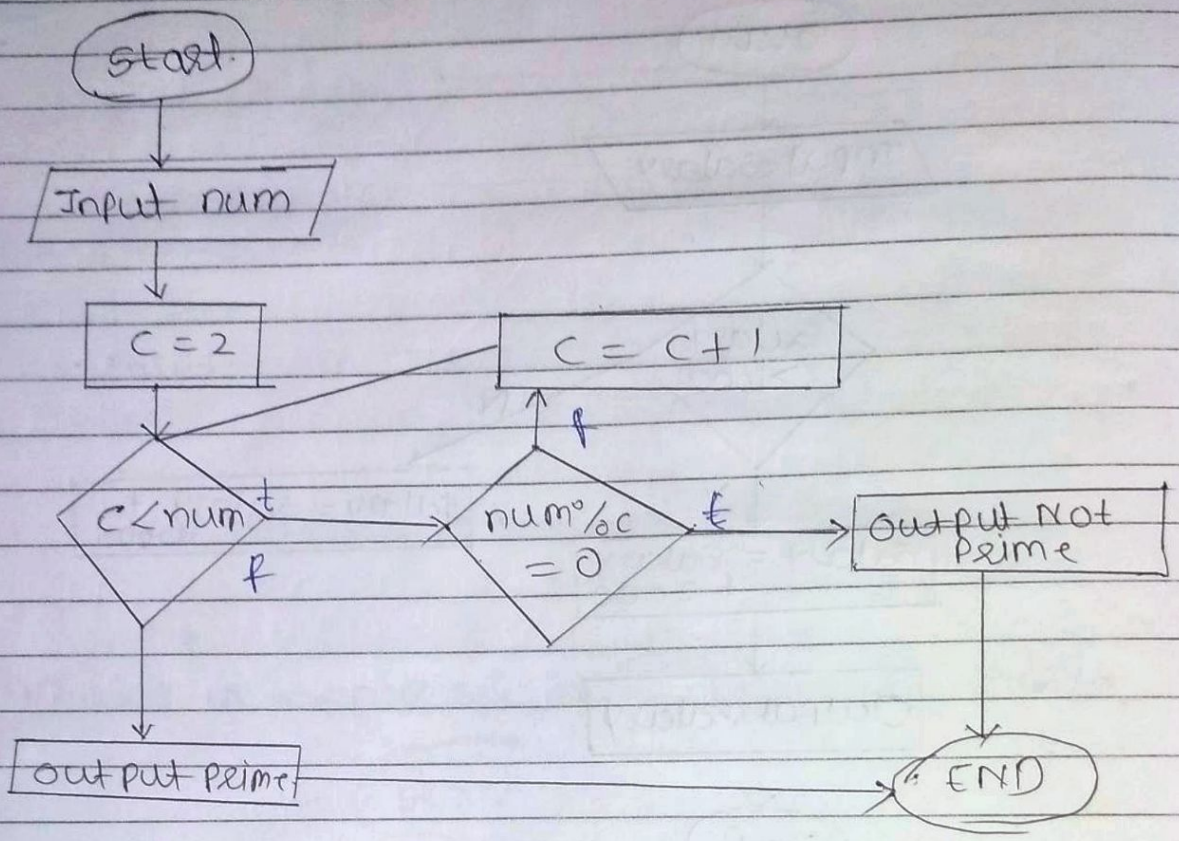
Ex. 2) Take input of a salary. If the salary is greater than 10,000 add bonus as 2000, otherwise add bonus as 1000.




Pseudocode -

```
start
input salary
if salary >10000
    salary = salary+2000
else
    salary = salary +1000
output salary
stop
```

Ex.3) Input a number & print wheather it is prime or not.




## *Pseudocode:-

It is like a rough code which represents how the algorithm of a program works.

- Pseudocode does not require syntax.

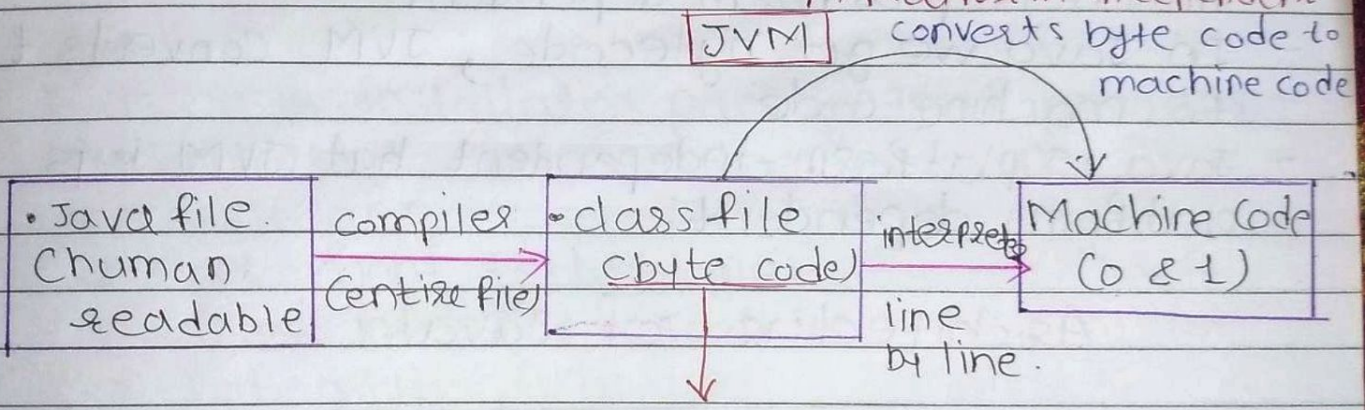
Ex.3) Pseudocode of Ex 3)

```
start
input num
  c = 2
while c < num;
    if num % c = 0 ;
```

output "not prime"
exit
c = c+1
end while
output
exit.

# * Introduction to Java *

* How Java code executes & more information about platform independance




- can run on all O.S.
- this code will not directly run on a system, we need JVM to run this
- Reason why Java is platform independent

⇒ we can provide this byte code to any system means we can compile the java code on any system

⇒ But JVM is platform dependent means for every O.S the executable file that we get, it has step by step set of instruction dependent on platform