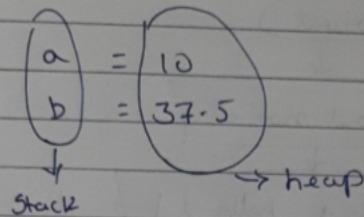


→ Variables (or) function calls are stored in stack memory & the object is stored in the heap memory & Variable will be pointing towards the Object as shown in the picture above

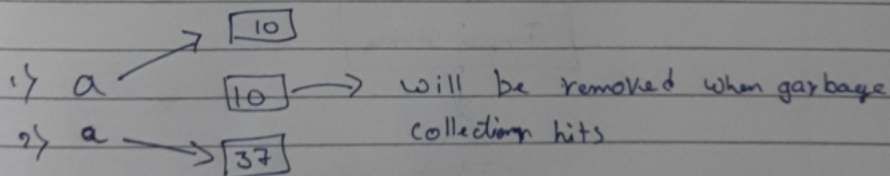


→ Object with no reference Variable will be removed from the heap memory when garbage collection hits

Eg:-

1) `int a = 10`

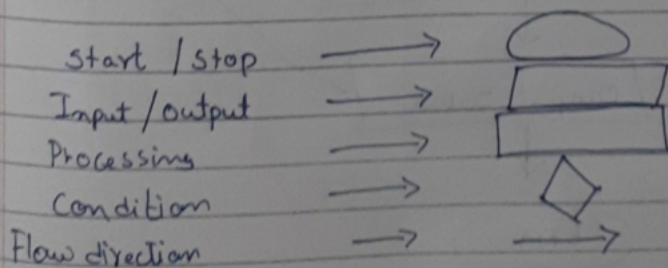
2) `a = 37`



②

Flow of program

Flow charts :-

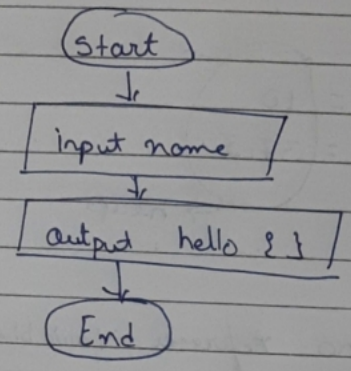


→ Flow charts are used to Visualize our thought process of any algorithm

Eg:-

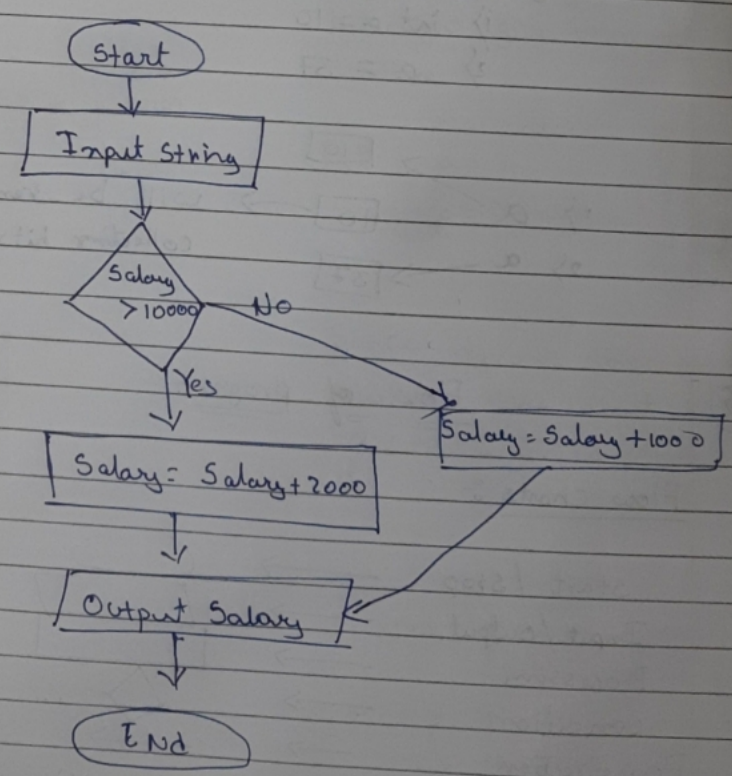
Q:- Take a name and output hello name

Sol:-



Q:- Take input of a salary. If the salary is greater than 10,000 add bonus as 2000, otherwise

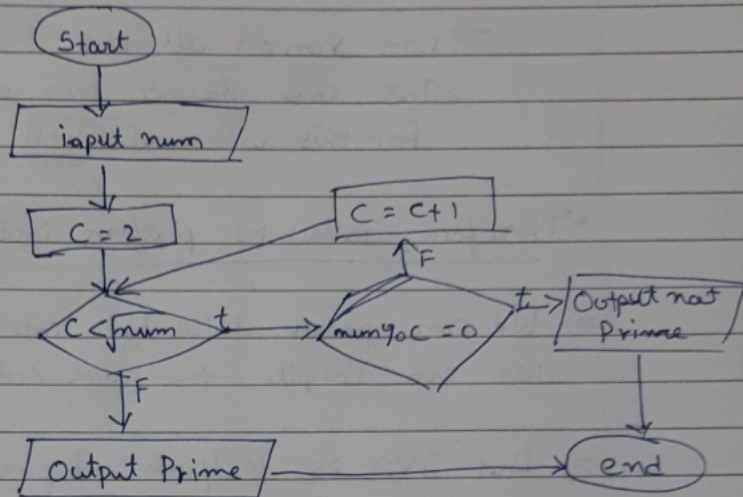
Sol:-



P.C:- Start	
Input salary	
if salary > 10000	
Salary = salary + 2000	
else:	
Salary = salary + 1000	
	Output salary
	exit

Q. Input a number and print whether it is prime or not

Sol.:



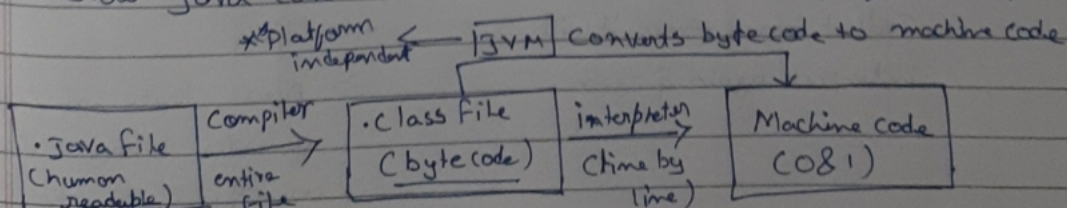
Pseudocode :- Pseudocode is like a rough code which can be understood by a programmer irrespective to their coding language

P.C :-
 Start
 input num
 C = 2
 while (C < num)
 if num % C == 0;
 output "not prime"; exit
 C = C + 1
 end while
 output prime
 exit

③

Introduction to Java

* How Java code executes and more about platform independence



PDF Created Using



Camera Scanner

Easily Scan documents & Generate PDF



<https://play.google.com/store/apps/details?id=photo.pdf.maker>