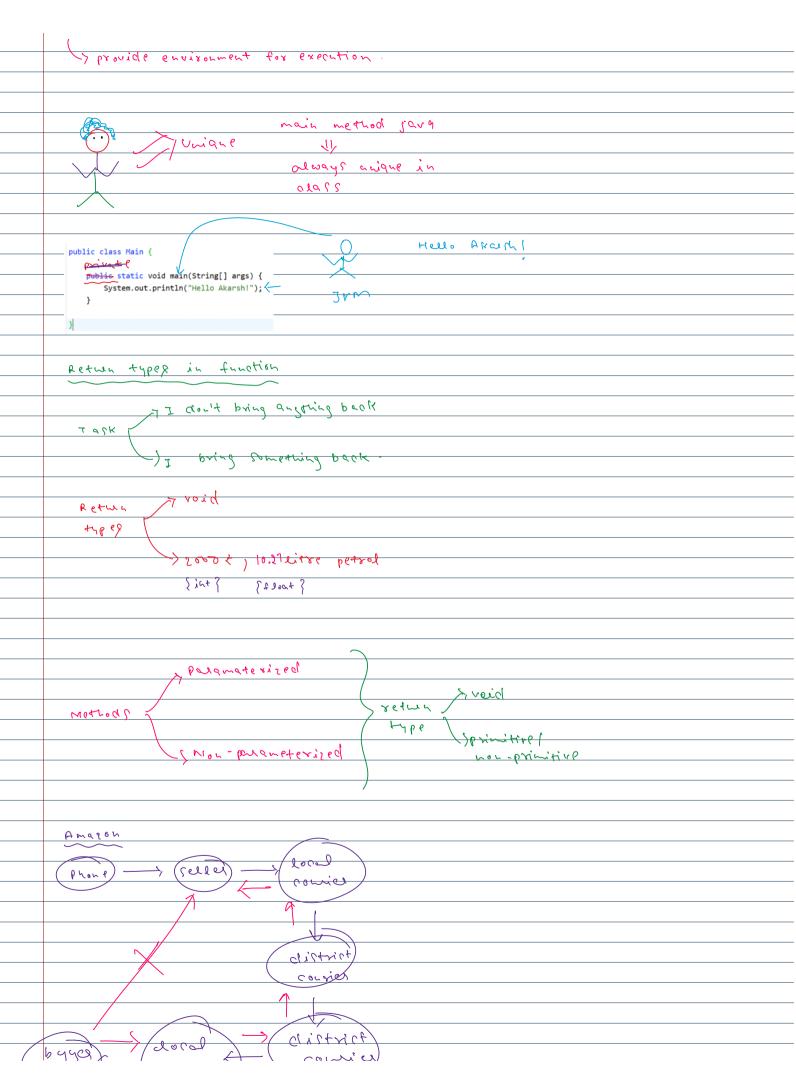
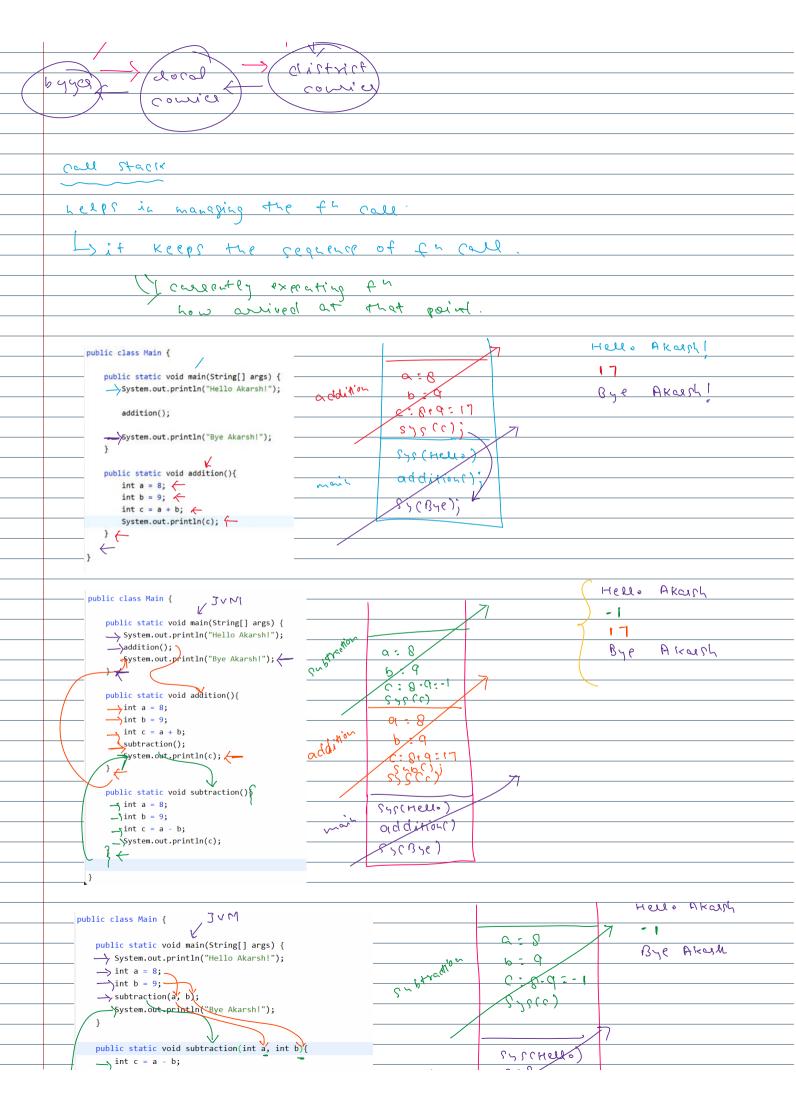
```
12 July 2025 10:07
 Functions
 t (x): x2 + 3
  f(-1): (-1)2+3: 7
 f" is a rule that assists exactly one of p to each ip.
      method
 a fork is a block of code that performs a specific task.
  You define it once and can call multiple times.
  prime number program
  prime of number n.
  prime of 20 numbers.
  public class Main {
    public static void main(String[] args) {
                                     AKOLPH
     System.out.println("Hello Akarsh!");
  Requirements to execute a program
   memory who provides
                 operating system -, acts as an mediator
                                blo ho and area
              > Stack nemory
               (running the program , and managing the coult)
             Theap memory (dynamic memory allocation)
             - never executes the program
  Compiler
              I checks the syntax error &
 JVM (Java vistual machine
```





```
public static void subtraction(int a, int b){
                                                                         SYSCHULLO
      System.out.println(c);
                                                                          a= 8
                                                                          546(4,6)
                                                                          ss(nge)
                                                                                        Hello Alcarh
                 JVM
public class Main {
                                             <u>adrio</u>
                                                              6:1-8:-7
SYSCC)
   public static void main(String[] args) {
  System.out.println("Hello Akarsh!");

int a = 8;
                                                                                                  Akark
   → int b = 9;
     subtraction(b, a);
                                                              9:9
     System.out.println("Bye Akarsh!");
                                               ر~<sub>\</sub>
                                                               b = 8
                                                              C: 8-8:1
   public static void subtraction(int a, int b){
    \rightarrow int c = a - b;
                                                               558 (C)
   System out.println(c);
                                                            SYS (Hell.)
                                                              a = S
   public static void addition(int a, int b){
                                                              0:9
   \rightarrow int c = a-b;
   System.out.println(c);
                                                             846(9,8)
                                                             558(BSe)
                     retur
                                             one vulue.
 public class Main {
     public static void main(String[] args) {
         System.out.println("Hello Akarsh!");
         int a = 8;
         int b = 9;
         // System.out.println(addition(a, b));
         int cc = addition(a, b);
         System.out.println("Printing sum of two numbers...");
         System.out.println(cc);
         System.out.println("Bye Akarsh!");
     public static int addition(int a, int b){
         int c = a+b;
         return c;
```

```
public class Main {
        public static void main(String[] args) {
            System.out.println("Hello Akarsh!");
            int a = 8;
            int b = 9;
            int cc = addition(104, b);
            System.out.println(cc);
            System.out.println("Bye Akarsh!");
        public static int addition(int a, int b){
            int c = a+b;
            return c;
public class Main {
                                                                                HRUO AKUPT
               MVE Y
  static int val = 99;
                                                    01:104
  public static void main(String[] args) {
   System.out.println("Hello Akarsh!");
  int a = 8;

—) int b = 9;
     addition(104, b);
                                                    5 4 5 ( wed )
0 = 10 4 + 9 = 113
   49
                                                   syr(neulo)
  public static int addition(int a, int b){
  val = val - 55;
System.out.println(val);
                                                                                98
                                                    a : 8
  int c = a+b;
                                                   addition(wa,b);
                                                    55 (Bye)
```

```
public class Main {
    static int val = 99;
    public static void main(String[] args) {
         System.out.println("Hello Akarsh!");
         int a = 8;
         int b = 9;
         System.out.println(val);
         addition();
         System.out.println("Bye Akarsh!");
         System.out.println(val);
    public static void addition(){
         int val = 8;
         val = val - 55;
         System.out.println("Global: "+ Main.val);
         System.out.println(val);
Is Armstrong Number
                                                                                                                                                4 dicit
 Take the following as input.
 A number
Write a function which returns true if the number is an armstrong number and false otherwise, where Armstrong number is defined as follows.
A positive integer of n digits is called an Armstrong number of order n (order is number of digits) if.
                                                                                                    1000
abcd... = pow(a,n) + pow(b,n) + pow(c,n) + pow(d,n) + ....
 1634 is an Armstrong number as 1634 = 1 \land 4 + 6 \land 4 + 3 \land 4 + 4 \land 4
 371 is an Armstrong number as 371 = 3^3 + 7^3 + 1^3
                                                  digit
                                                                                                                                         2 +12 1lo &
                                                                                                                                                    C1 + 5
```

