Lec14

09 February 2026 09:02 AM

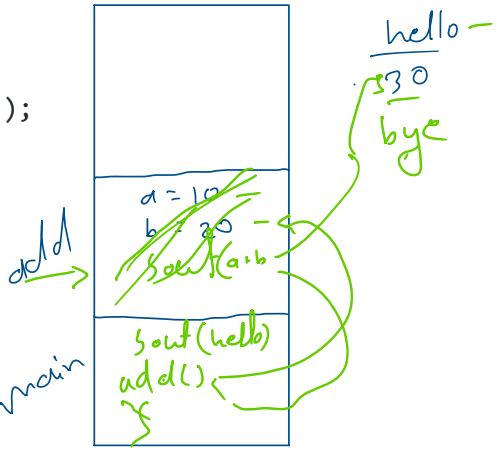
function / method

```java
public class Fun_Demo {
    public static void main(String[] args) {

    }
}
```

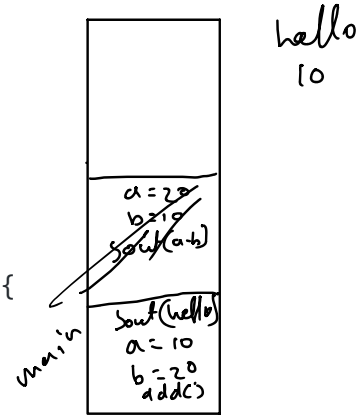
```java
public class Fun_Demo {
    public static void main(String[] args) {

    }
    public static void Add(){
        int a = 10;
        int b = 20;
        System.out.println(a+b);
    }
}
```

memory
- stack → primitive
- heap → non-primitive

```java
public static void main(String[] args) {
    System.out.println("Hello");
    Add();
    System.out.println("Bye");
}
public static void Add(){
    int a = 10;
    int b = 20;
    System.out.println(a+b);
}
```

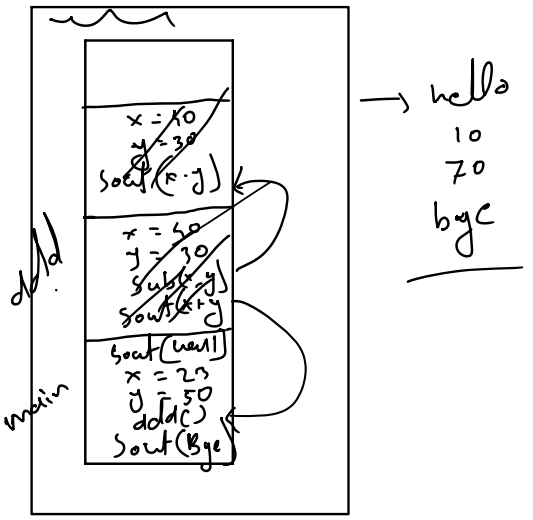



```java
public static void main(String[] args) {
    System.out.println("Hello");
    int a = 10;
    int b = 20;
    Add(b, a);
    System.out.println("Bye");
}
public static void Add(int a, int b){

    System.out.println(a-b);
}
```



hello
10

```java
public static void main(String[] args) {
        System.out.println("Hello");
        int x= 23;
        int y = 50;
        Add();
        System.out.println("Bye");
    }
    public static void Add(){
        int x = 40;
        int y = 30;
        Sub(x , y);
        System.out.println(x+y);
    }
    public static void Sub(int x , int y){
        System.out.println(x-y);
    }
```



hello
10
70
bye

4021 $4^4\ 0^4\ 2^4\ 1^4$

371

$1^3 + 7^3 + 3^3$ =

num = 371
temp = num
digits = 0

```
while(temp>0){
    digits++
    temp /= 10
}
```

temp = num
sum = 0

```
while(temp>0){
    rem = temp%10
    sum = sum + rem^digits
    temp /= 10
}
if(sum == num)
else
```