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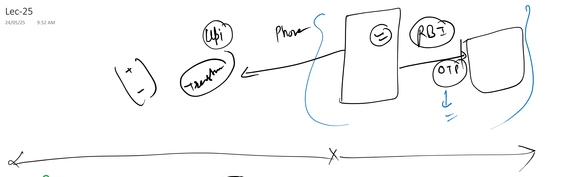
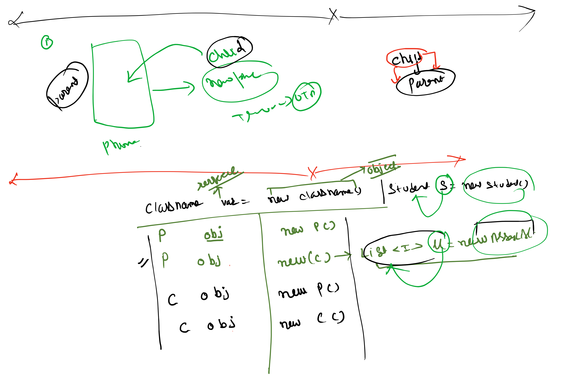
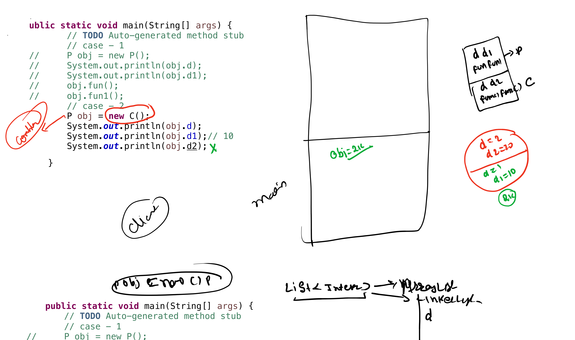
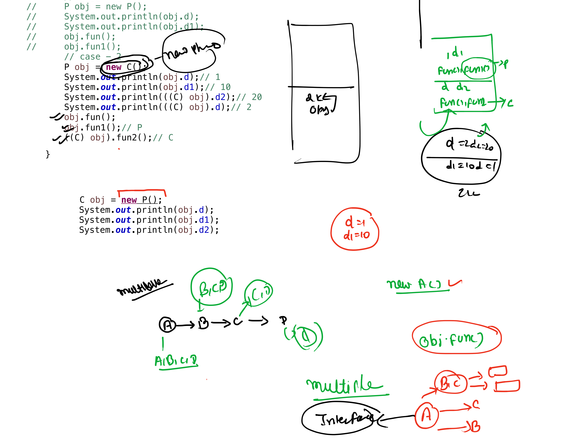




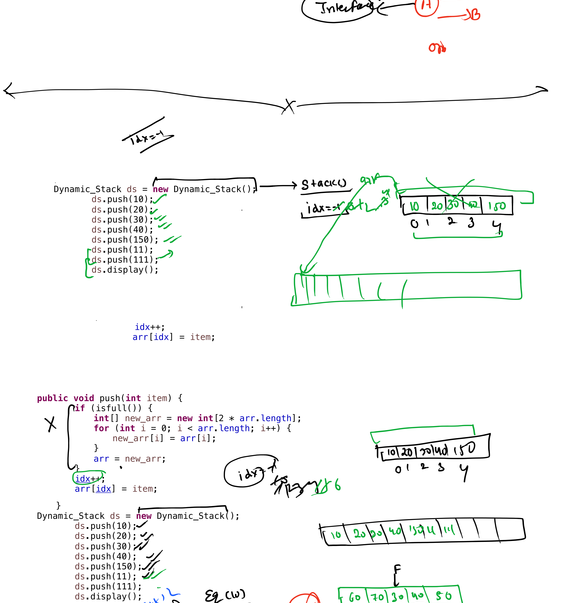


```
ublic static void main(String[] args) {
        // TODO Auto-generated method stub
        // case - 1
//      P obj = new P();
//      System.out.println(obj.d);
//      System.out.println(obj.d1);
//      obj.fun();
//      obj.fun1();
        // case - 2
        P obj = new C();
        System.out.println(obj.d);
        System.out.println(obj.d1);// 10
        System.out.println(obj.d2); X
    }
```



```
    public static void main(String[] args) {
        // TODO Auto-generated method stub
        // case - 1
//      P obj = new P();
//      System.out.println(obj.d);
//      System.out.println(obj.d1);
//      obj.fun();
//      obj.fun1();
        // case - 2
        P obj = new C();
        System.out.println(obj.d);// 1
        System.out.println(obj.d1);// 10
        System.out.println(((C) obj).d2);// 20
        System.out.println(((C) obj).d);// 2
        obj.fun();
        obj.fun1();// P
        ((C) obj).fun2();// C
    }
```

```
        C obj = new P();
        System.out.println(obj.d);
        System.out.println(obj.d1);
        System.out.println(obj.d2);
```



```
Dynamic_Stack ds = new Dynamic_Stack();
        ds.push(10);
        ds.push(20);
        ds.push(30);
        ds.push(40);
        ds.push(150);
        ds.push(11);
        ds.push(111);
        ds.display();
```

```
        idx++;
        arr[idx] = item;
```

```
public void push(int item) {
    if (isfull()) {
        int[] new_arr = new int[2 * arr.length];
        for (int i = 0; i < arr.length; i++) {
            new_arr[i] = arr[i];
        }
        arr = new_arr;
    }
    idx++;
    arr[idx] = item;
}
Dynamic_Stack ds = new Dynamic_Stack();
        ds.push(10);
        ds.push(20);
        ds.push(30);
        ds.push(40);
        ds.push(150);
        ds.push(11);
        ds.push(111);
        ds.display();
```