

| | Today's | agenda | |
|---|---------|------------------|---------------|
| | J | Lobject oriented | Popaga mining |
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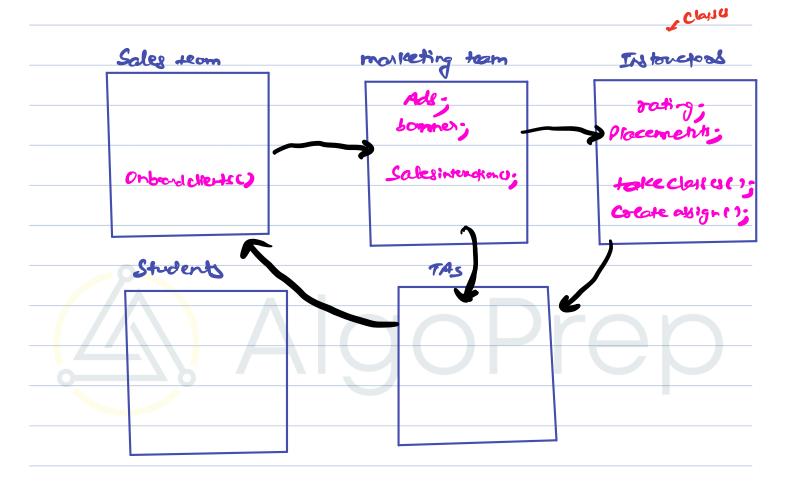


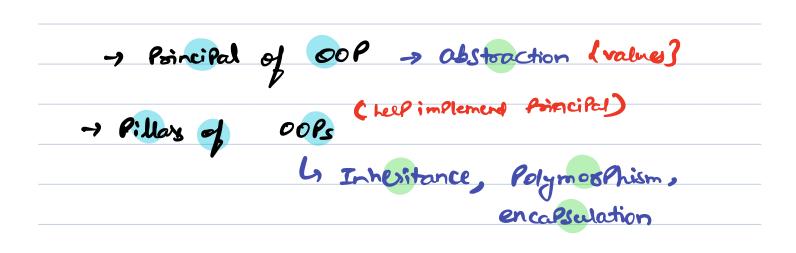
| | > Patterns /model/altho | achey — |
|-----------------------|-------------------------|------------|
| 4 Programming Paradig | tr& | |
| To Procedura | 1 -> Clan | |
| Frocedura. | > Java, Python | |
| @ functional | | |
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| 1 Procedural Paradign | | |
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| old name for | | |
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| -> bunch of Por | | |
| -) those Procedur | es internally call e | och other. |
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| B(); | c()· | |
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10 00P (objected oriented Programming)

Algoloel







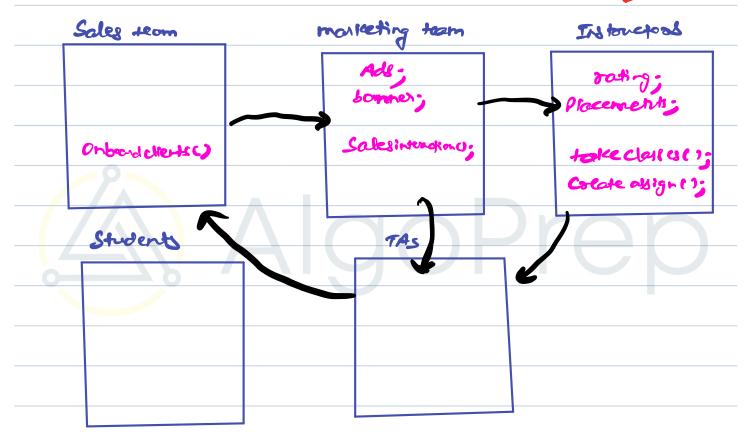
Abstraction

LD a complen System being represented by multiple endities

@ has attaibutes

(b) has some behaviour

r Claysu



internal working of an entity.



| Encoloulation | |
|---------------------|--|
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| (A) CASE | why are there Calsule to medicine |
| | © To hold multiple Salts |
| | (i) Protect medicine I pour |
| | Outside envisonment. |
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| 2 ence Psylotion in | oops and |
| -> encalsulation in | attitude and delaning |
| 3 7 3 7 6 4 6 | attributes and behaviour |
| TO GONDA E | or one entity. |
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| S(II) Protects | the entity from illegal accusing access modifiers. |
| Li (| using access modifiers. |
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| y Can Colad | le multiple house wing Ja |
| bluefoint. | |
| | |
| bluefoint. | |
| class house f | -> doesn't take any |
| class howe find someount; | |
| class house find someont; int places; | -> doesn't toke any RAM spoce. |
| class howe f int someount; int plooss; int promizes | -> deesn't toke any RAM space. >> multiple instances |
| class house find someount; int floors; | -> doesn't toke any RAM spoce. |
| class house f int someount; int plooss; int promizes | -> deesn't toke any RAM space. >> multiple instances |
| class house f int someount; int plooss; int promizes | -> deesn't toke any RAM space. >> multiple instances |
| class house find shownount; int places; string color; | -> deesn't toke any RAM space. >> multiple instances |
| class howe find moment; int promize; int promize; String Color; | -> deesn't toke any RAM space. >> multiple instances |



| ls occupy | instance of | nosh. | | |
|-----------|-------------|--------|------------------------------------|-----|
| - house | hi: new | howe() | each ob are com | |
| -> house | h2 = nen | | independence them will dill set of | u s |
| -> house | h3 = new | | | |
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Constructor

```
public static class house{
    int roomcount;
    int floorsize;
    String color;
    //constructor
    house(int x,int y, String c){
        roomcount = x;
        floorsize = y;
        color = c;
    }
    house(){
    }
    house(int x,int y){
        roomcount = x;
        floorsize = y;
    }
```