

Summary of Last Class

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Hiding Unnecessary Details

```
1  class Record{
2      private String name;
3      private int score;
4      public int get_score(){ return score; }
5      public void set_name(String name){ this.name = name; }
6      public void set_name(int name){ this.name = ""+name; }
7  }
8  // ...
9  Record r = new Record();
```

Defining Constructors

```
1  class Record{
2      private String name;
3      private int score;
4      public int get_score(){ return score; }
5      public void set_name(String name){ this.name = name; }
6      public void set_name(int name){ this.name = ""+name; }
7      public Record(String name, int score){
8          set_name(name); this.score = score;
9      }
10     public Record(String name){
11         Record(name, 60);
12     }
13 }
14 // ...
15 Record r = new Record("HTLin");
```

Manipulating References

```
1  class Record{
2      private String name;
3      private int score;
4      public int get_score(){ return score; }
5      public void get_name(){ return this.name; }
6      public void set_name(String name){ this.name = name; }
7      public void set_name(int name){ this.name = ""+name; }
8      public Record(String name, int score){
9          set_name(name); this.score = score;
10     }
11     public Record(String name){
12         Record(name, 60);
13     }
14 }
15 // ...
16 Record my_midterm = new Record("HTLin");
17 Record my_final = new Record("");
18 my_final.set_name(my_midterm.get_name());
19 // my_final.get_name() == my_midterm.get_name()?
20 // my_final == my_midterm?
```