

Summary of Last Class

Hsuan-Tien Lin

Department of CSIE, NTU

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Defining a Class

```
1  class Record{
2      String name;
3      int score;
4      int get_score(){ return score; }
5      int adjust_score(int amount){
6          score += amount;
7          return score;
8      }
9      void set_name(String name){ this.name = name;}
10 }
```

) data

act)

Making an Instance

```
1  class Record{
2      String name;
3      int score;
4      int get_score(){ return score; }
5      int adjust_score(int amount){
6          score += amount;
7          return score;
8      }
9      void set_name(String name){ this.name = name; }
10 }
11 // ...
12 Record r = new Record();
```

Setting Local Variables

```
1  class Record{
2      String name;
3      int score;
4      int get_score(){ return score; }
5      int adjust_score(int amount){
6          int i=2;
7          score += amount * i;
8          return get_score();
9      }
10     void set_name(String name){ this.name = name; }
11 }
12 // ...
13 Record r = new Record();
```

Overloading a Method

```
1  class Record{
2      String name;
3      int score;
4      int get_score(){ return score; }
5      int adjust_score(int amount){
6          int i=2;
7          score += amount * i;
8          return get_score();
9      }
10     void set_name(String name){ this.name = name; }
11     void set_name(int name){ this.name = ""+name; }
12 }
13 // ...
14 Record r = new Record();
```

Hiding Unnecessary Details

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

r.score = 80;
S.o. pl (r.score);

hahaha