

# 研讨课做什么

- 大班部分内容的深入讨论
  - 书面作业、编程训练的重难点讨论
  - 教材阅读的难点答疑
  - 意见建议的反馈
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- 1班： 227
  - 2班： 228

# 关于课后练习

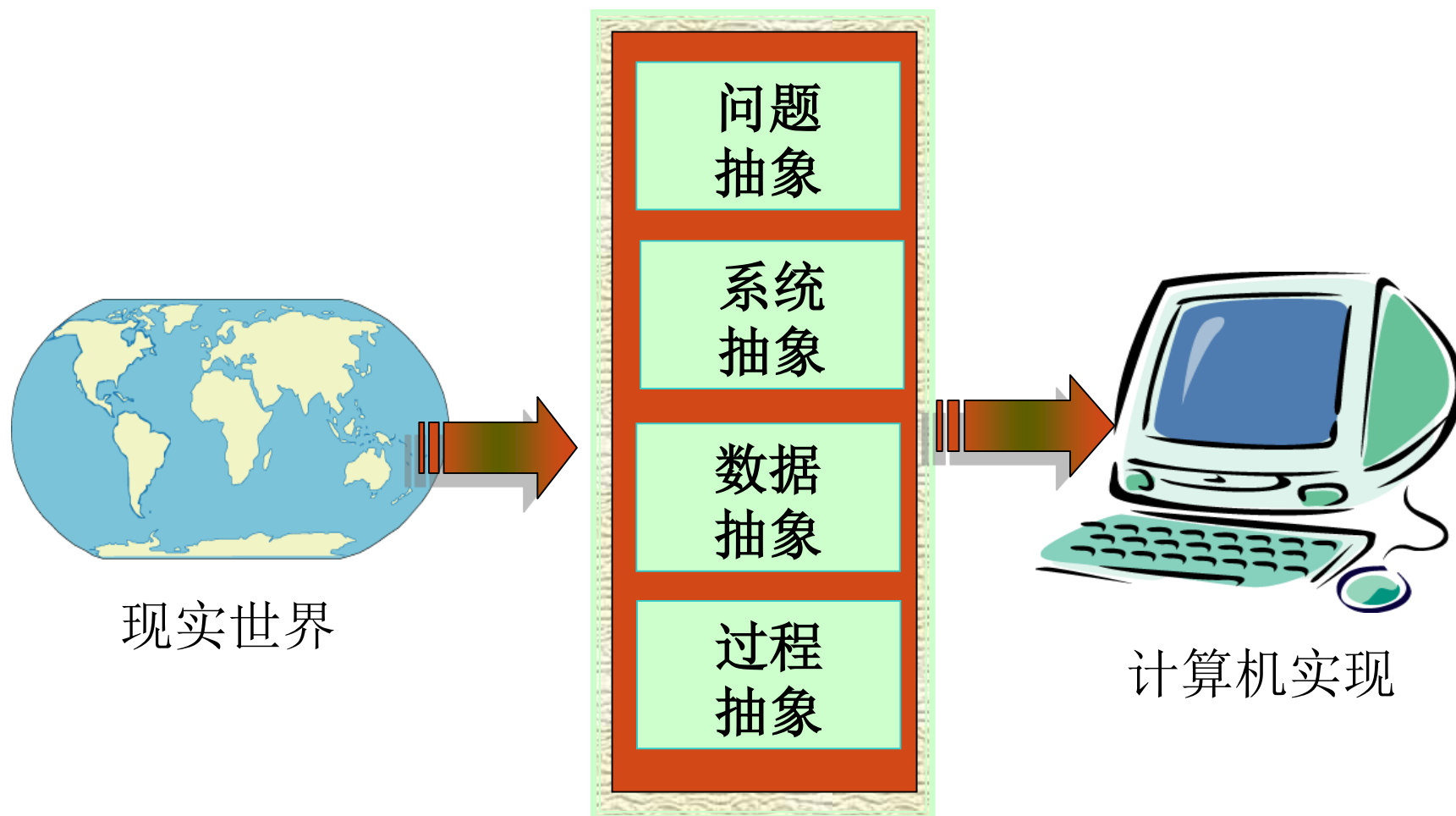
- 书面作业
  - 每周四交
  - 交上周作业，取回批改后的上上周作业
- 编程训练
  - 每周末前网上提交
  - 按周历进度完成

# Discussion

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What really *is*  
Computer Science?

# 计算机专业学生的基本能力



# The List

1. Understanding the problem
2. Devising a plan
3. Carrying out the plan
4. Looking back

- Find a word (written in standard capital letters) that is unchanged when reflected in a horizontal line and in a vertical line. The word must appear in a dictionary (in a language of your choice) in order to be a valid solution.

1. Understanding the problem
2. Devising a plan
3. Carrying out the plan
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1. Understanding the problem
2. Devising a **plan**
3. Carrying out the **plan**
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- Find a word (written in standard capital letters) that is unchanged when reflected in a horizontal line and in a vertical line. The word must appear in a dictionary (in a language of your choice) in order to be a valid solution.

## Plan

1. 输入
2. 算法
3. 输出

要把大象装冰箱，总共分几步？

算法

编程

C++程序

抽象

具体

```

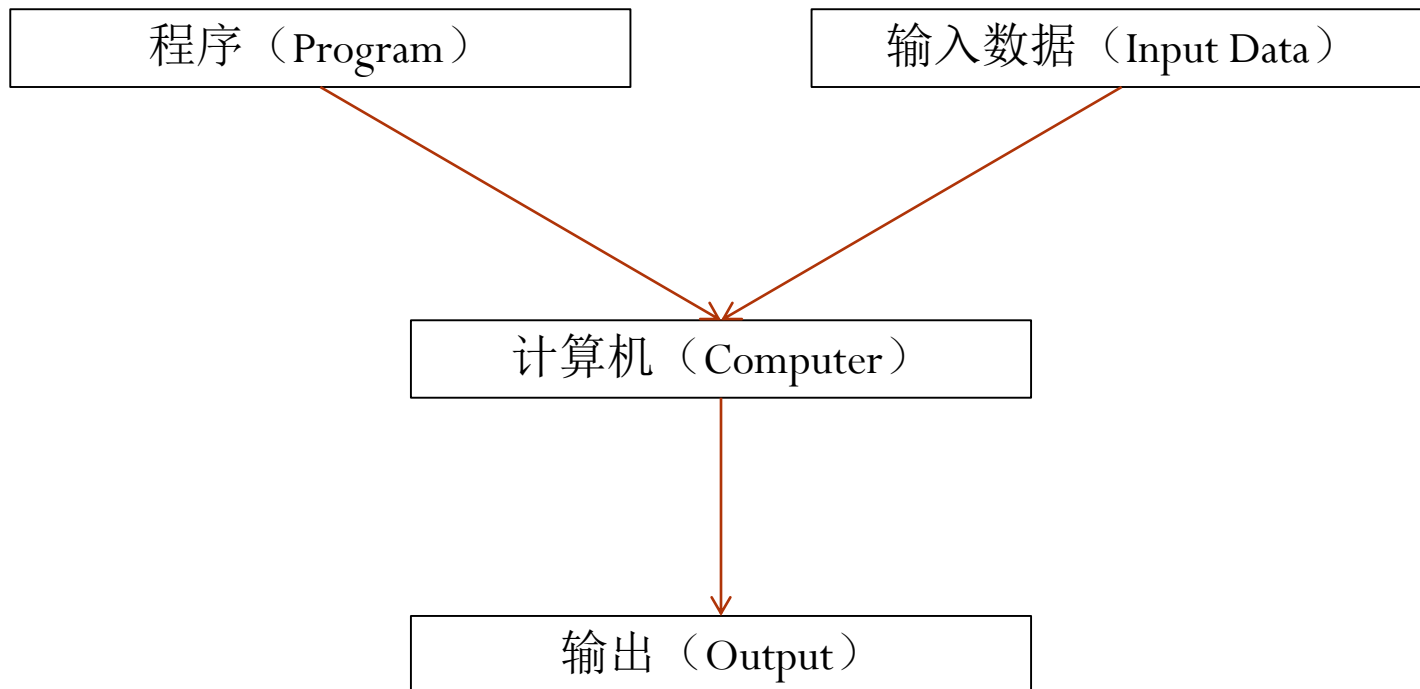
#include <iostream>
using namespace std;

char grade(int received_par, int min_score_par);

int main( )
{
    int score, need_to_pass;
    char letter_grade;
    cout << "Enter your score"
         << " and the minimum needed to pass:\n";
    cin >> score >> need_to_pass;
    letter_grade = grade(score, need_to_pass);
    cout << "You received a score of " << score << endl
         << "Minimum to pass is " << need_to_pass << endl;
    if (letter_grade == 'P')
        cout << "You Passed. Congratulations!\n";
    else
        cout << "Sorry. You failed.\n";
    cout << letter_grade
         << " will be entered in your record.\n";
    return 0;
}

char grade(int received_par, int min_score_par)
{
    if (received_par >= min_score_par)
        return 'P';
    else
        return 'F';
}

```



算法

编程

C++程序

编译

机器语言

抽象

具体

C++程序

输入数据

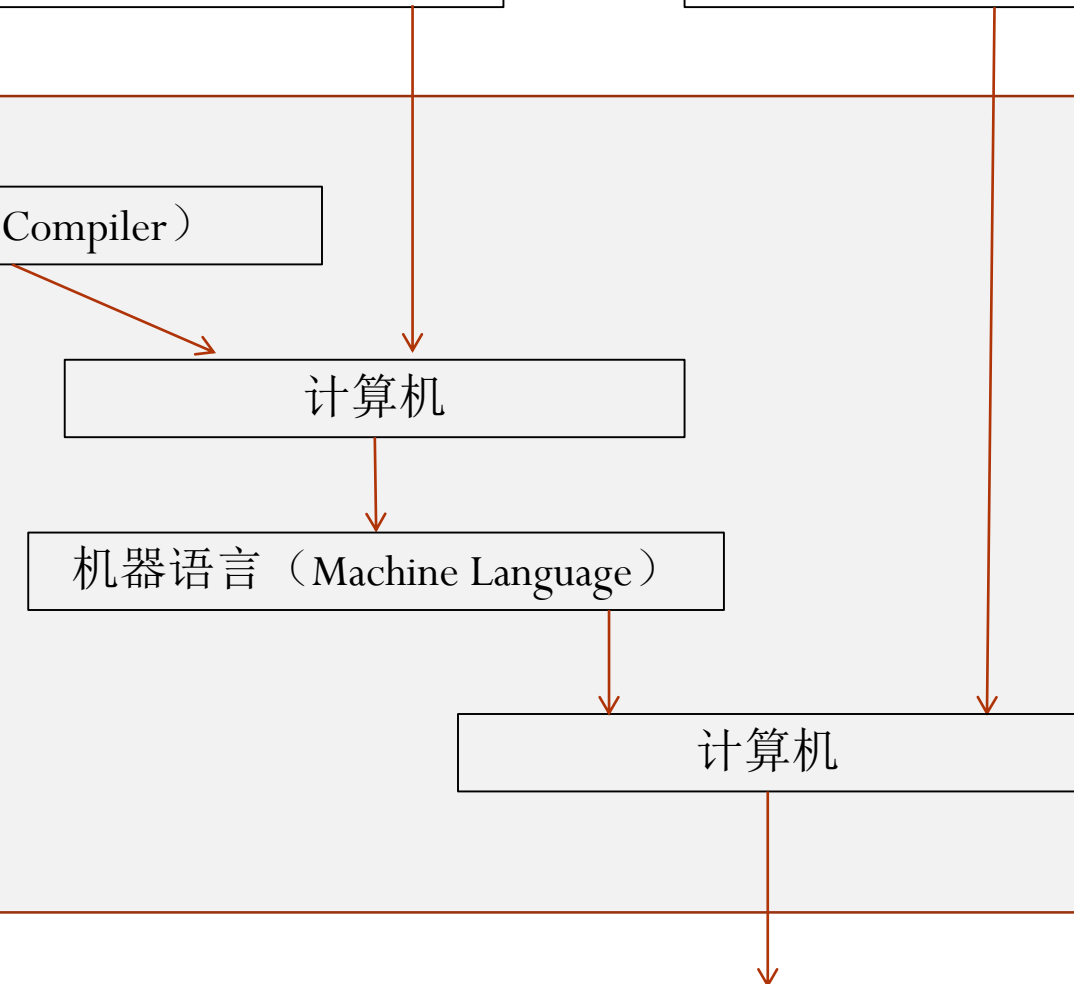
编译器 (Compiler)

计算机

机器语言 (Machine Language)

计算机

输出



# 教材阅读的难点答疑

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# 意见建议的反馈

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# 熟悉C++编程环境

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