**分组:\_第4组\_**

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信息科学与工程学院课程实验报告

《面向对象程序设计》

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| 姓名： | 马小玉 |
| 学号： | 201711010458 |
| 班级： | 计本1701 |
| 教师： | 张庆科 |
| 时间： | 2018.9.13 |

**面向对象程序设计实验报告**

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| 姓名 | 马小玉 | 班级 | 计本1701 | 学号 | 201711010458 | 组号 | 4 |
| 时间 | 9.13 | 地点 | E312 | 周次 |  | 页码 |  |
| 源码 | □ 无源码 ☑ 文档源码 □ 托管源码 | | | | | | |
| 报  告  内  容  报  告  内  容  报  告  内  容 | **实验报告要求**：请围绕实验目的、实验内容、实验过程及步骤(可添加文字、矢量图)、实验结论与分析进行撰写，凡涉及源代码内容可给出完整源码或附上源码托管网址。  一：大象进冰箱  main函数  #include<stdio.h>  #include"OPEN.h"  #include"PUSH.h"  #include"CLOSE.h"  int elephant = 01;  int fridge = 02;  int main()  {  /\*1.open the fridge\*/  Touch(fridge);  Pull(fridge);  /\*2.push an elephant into the fridge\*/  Push(elephant);  Fasten(elephant);  /\*close the fridge\*/  Touch(fridge);  Close(fridge);  return 0;  }  OPEN.h  #ifndef OPEN\_H\_INCLUDED  #define OPEN\_H\_INCLUDED  void Touch(int f);  void Pull(int f);  #endif //  PUSH.h  #ifndef PUSH\_H\_INCLUDED  #define PUSH\_H\_INCLUDED  void Push(int e);  void Fasten(int e);  #endif //  CLOSE.h  #ifndef CLOSE\_H\_INCLUDED  #define CLOSE\_H\_INCLUDED  void Close(int f);  #endif //  OPEN.cpp  #include"OPEN.h"  #include<stdio.h>  void Touch(int f)  {  printf("touch %d\n", f);  }  void Pull(int f)  {  printf("pull %d\n", f);  }  CLOSE.cpp  #include"CLOSE.h"  #include<stdio.h>  void Touch(int f)  {  int e=01;  printf("fasten %d\n", e);  }  PUSH.cpp  #include"PUSH.h"  #include<stdio.h>  void Push(int e)  {  printf("push %d\n", e);  };  void Fasten(int f)  {  //int elephant = 01;  int e=01;  printf("fasten %d\n", e);  }  学生信息管理  **/main.cpp/**  #include<stdio.h>  #include<string.h>  #include"score.h"  #include<stdlib.h>  #include<math.h>  #define N 6  struct student stu[6];  int main()  {  int i;  double a;  for (i = 0; i < 6; i++)  {  struct student stu[6] = { { 2017000001, "姚期智", 90, 85, 98 }, { 2017000002, "周光远", 85, 87, 92 }, { 2017000003, "孙家栋", 89, 84, 96 },  { 2017000004, "杨芙清", 95, 76, 98 }, { 2017000005, " 张朝阳", 78, 80, 88 }, { 2017000006, " 李彦弘", 82, 90, 85 } };  a = stu[i].dailyscore\*0.2 + stu[i].finalscore\*0.6 + stu[i].experiscore\*0.2;  printf("%d\n", a);  }  int printOut(struct student stu[]);  return 0;  }  /score.h/  #include<stdio.h>  #include<math.h>  struct student  {  int number;//学号  char name[20];//姓名  float dailyscore;//平时成绩  float finalscore;//期末成绩  float experiscore;//实验成绩  double generalscore;//总评成绩  int place;//名次  };  /\*函数声明\*/  int readData(struct student stu[]);//输入N个学生的学号，姓名，平时及期末，实验成绩  int calcuScore(struct student stu[]);//计算N个学生的总评成绩  int sortScore(struct student stu[]);//根据总评成绩排名，得出每个学生的名次  int printOut(struct student stu[]);//输出N个学生的完整信息  struct student stu[6];  /score.cpp/  #include<math.h>  #include<stdio.h>  #include<stdlib.h>  #include"score.h"  int readData(struct student stu[])  {  printf("请输入学生的学号,姓名,平时成绩,期末成绩,实验成绩:\n");  int i;  for (i = 0; i < 6;i++)  scanf\_s("%f,%f,%f,%d", &stu[i].dailyscore, &stu[i].finalscore, &stu[i].experiscore);  }  int calcuScore(struct student stu[])  {  int i;  double m;  for (i = 0; i<6; i++)  scanf\_s("%f,%f,%f,%d", &stu[i].dailyscore, &stu[i].finalscore, &stu[i].experiscore);  m = (stu[i].dailyscore\*0.2 + stu[i].finalscore\*0.6 + stu[i].experiscore\*0.2);  printf("%d\n", m);  }  int sortScore(struct student stu[])  {  double m, t;  int i, j, k;  for (i = 1; i < 6; ++i)  {  m = stu[i].generalscore;  scanf\_s("%f,%f,%f,%d", &stu[i].dailyscore, &stu[i].finalscore, &stu[i].experiscore);  m = (stu[i].dailyscore\*0.2 + stu[i].finalscore\*0.6 + stu[i].experiscore\*0.2);  k = i;  for (j = i + 1; j <= 6; ++j)  {  if (stu[j].generalscore < stu[k].generalscore)  k = j;  if (k != j)  {  t = stu[i].generalscore;  stu[i].generalscore = stu[k].generalscore;  stu[k].generalscore = t;  }  }  printf("第%d次的排序结果：", i);  }  int printOut(struct student stu[]);  {  int i;  for (i = 0; i < 6; i++)  printf("学号:%d\n 姓名:%s\n 平时成绩:%f\n 实验成绩:%f\n 期末成绩:%f\n 总评成绩:%f\n 名次:%d\n", stu[i].number, stu[i].name, stu[i].dailyscore,  stu[i].experiscore, stu[i].finalscore, stu[i].generalscore, stu[i].place);  }  } | | | | | | |

：可根据内容自行拓展页面