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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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**面向对象程序设计实验报告**

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| 时间 |  | 地点 |  | 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。  实验目的：设计一个成绩管理系统。  // SS.h: interface for the SS class.  //  //////////////////////////////////////////////////////////////////////  #if !defined(AFX\_SS\_H\_\_4A521E86\_3E89\_4290\_8758\_CB03E2CFF5F5\_\_INCLUDED\_)  #define AFX\_SS\_H\_\_4A521E86\_3E89\_4290\_8758\_CB03E2CFF5F5\_\_INCLUDED\_  #if \_MSC\_VER > 1000  #pragma once  #endif // \_MSC\_VER > 1000  #include<iostream>  #include<string>  #include<math.h>  using namespace std;  class SS  {  private:  int number; //学号  char name[10]; //姓名  int dailyScore;//平时成绩  int experiScore;//实验成绩  int finalScore;//期末成绩  int generalScore;//总评成绩  int place; //名次  public:  void readData(); //输入当前学生的学号、姓名、平时、实验及期末成绩  void rankScore();//求排名  void sqrtData();  void calcuScore(SS );//计算当前学生的总评成绩  };  #endif // !defined(AFX\_SS\_H\_\_4A521E86\_3E89\_4290\_8758\_CB03E2CFF5F5\_\_INCLUDED\_)  // SS.cpp: implementation of the SS class.  //  //////////////////////////////////////////////////////////////////////  #include "SS.h"  SS a,b,c,d,e,f;  //////////////////////////////////////////////////////////////////////  // Construction/Destruction  //////////////////////////////////////////////////////////////////////  void SS::readData()  {  /\*if(m.number='2017000001')  cout<<"姚期智"<<"平时成绩90"<<"实验成绩85"<<"期末成绩98"<<endl;\*/  a.number=2017000001;  strcpy(a.name,"姚期智");  a.dailyScore=90;  a.experiScore=85;  a.finalScore=98;  b.number=2017000002;  strcpy(b.name,"周光远");  b.dailyScore=85;  b.experiScore=87;  b.finalScore=92;  c.number=2017000003;  strcpy(c.name,"孙家栋");  c.dailyScore=89;  c.experiScore=84;  c.finalScore=96;  d.number=2017000004;  strcpy(d.name,"杨芙清");  d.dailyScore=95;  d.experiScore=76;  d.finalScore=98;  e.number=2017000005;  strcpy(e.name,"张朝阳");  e.dailyScore=78;  e.experiScore=80;  e.finalScore=88;  f.number=2017000006;  strcpy(f.name,"李彦宏");  f.dailyScore=82;  f.experiScore=90;  f.finalScore=85;  a.generalScore=0.2\*a.dailyScore+0.2\*a.experiScore+0.6\*a.finalScore;  b.generalScore=0.2\*b.dailyScore+0.2\*b.experiScore+0.6\*b.finalScore;  c.generalScore=0.2\*c.dailyScore+0.2\*c.experiScore+0.6\*c.finalScore;  d.generalScore=0.2\*d.dailyScore+0.2\*d.experiScore+0.6\*d.finalScore;  e.generalScore=0.2\*e.dailyScore+0.2\*e.experiScore+0.6\*e.finalScore;  f.generalScore=0.2\*f.dailyScore+0.2\*f.experiScore+0.6\*f.finalScore;  }  void SS::calcuScore(SS m)  {  cout<<"请输入学号"<<endl;  cin>>m.number;  if(m.number==a.number)  {  cout<<"名字："<<a.name<<" 平常成绩："<<a.dailyScore<<" 实验成绩："  <<a.experiScore<<" 期末成绩："<<a.finalScore<<endl;  cout<<"输出总评成绩"<<endl;  //m.generalScore=0.2\*a.dailyScore+0.2\*a.experiScore+0.6\*a.finalScore;  cout<<a.generalScore<<endl;  }  else  if(m.number==b.number)  {  cout<<"名字："<<b.name<<" 平常成绩："<<b.dailyScore<<" 实验成绩："  <<b.experiScore<<" 期末成绩："<<b.finalScore<<endl;  cout<<"输出总评成绩"<<endl;  //m.generalScore=0.2\*b.dailyScore+0.2\*b.experiScore+0.6\*b.finalScore;  cout<<b.generalScore<<endl;  }  else  if(m.number==c.number)  {  cout<<"名字："<<c.name<<" 平常成绩："<<c.dailyScore<<" 实验成绩："  <<c.experiScore<<" 期末成绩："<<c.finalScore<<endl;  cout<<"输出总评成绩"<<endl;  //m.generalScore=0.2\*c.dailyScore+0.2\*c.experiScore+0.6\*c.finalScore;  cout<<c.generalScore<<endl;  }  else  if(m.number==d.number)  {  cout<<"名字："<<d.name<<" 平常成绩："<<d.dailyScore<<" 实验成绩："  <<d.experiScore<<" 期末成绩："<<d.finalScore<<endl;  cout<<"输出总评成绩"<<endl;  //m.generalScore=0.2\*d.dailyScore+0.2\*d.experiScore+0.6\*d.finalScore;  cout<<d.generalScore<<endl;  }  else  if(m.number==e.number)  {  cout<<"名字："<<e.name<<" 平常成绩："<<e.dailyScore<<" 实验成绩："  <<e.experiScore<<" 期末成绩："<<e.finalScore<<endl;  cout<<"输出总评成绩"<<endl;  //m.generalScore=0.2\*e.dailyScore+0.2\*e.experiScore+0.6\*e.finalScore;  cout<<e.generalScore<<endl;  }  else  if(m.number==f.number)  {  cout<<"名字："<<f.name<<" 平常成绩："<<f.dailyScore<<" 实验成绩："  <<f.experiScore<<" 期末成绩："<<f.finalScore<<endl;  cout<<"输出总评成绩"<<endl;  //m.generalScore=0.2\*f.dailyScore+0.2\*f.experiScore+0.6\*f.finalScore;  cout<<f.generalScore<<endl;  }  }  void SS::sqrtData()  {    float av=0,s=0;  av=(a.generalScore+b.generalScore+c.generalScore+  d.generalScore+e.generalScore+f.generalScore)/6;  cout<<"总评成绩均值为："<<av<<endl;  s=(pow((a.generalScore-av),2)+pow((b.generalScore-av),2)+pow((c.generalScore),2)+  pow((d.generalScore),2)+pow((e.generalScore),2)+pow((f.generalScore-av),2));  cout<<"总评成绩方差为："<<s<<endl;  }  main()  {  SS m;  m.readData();  m.calcuScore(m);  m.sqrtData();  } | | | | | | |

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