Java语言实例代码：

/\*班级：信1603\*/

/\*学号：20163621\*/

/\*姓名：李梦珂\*/

//News类：

public class News { //定义News类

private int newsid;

private String newstitle;

private String newscontent;

private String newsauthor;

private boolean isavailable;

public News(int newsid,String newstitle,String newscontent,String newsauthor,boolean isavailable) { //定义结构体对数据初始化

this.newsid=newsid;

this.newstitle=newstitle;

this.newscontent=newscontent;

this.newsauthor=newsauthor;

this.isavailable=isavailable;

}

public void setnewsid(int newsid){ //设置序号

this.newsid=newsid;

}

public int getnewsid(){ //获取序号

return newsid;

}

public void setnewstitle(String newstitle){ //设置标题

this.newstitle=newstitle;

}

public String getnewstitle(){ //获取标题

return newstitle;

}

public void setnewscontent(String newscontent){ //设置内容

this.newscontent=newscontent;

}

public String getnewscontent(){ //获取内容

return newscontent;

}

public String getauthor() { //设置作者

return newsauthor;

}

public void setauthor(String newsauthor) { //获取作者

this.newsauthor=newsauthor;

}

public void setisavailable(boolean isavailable){ //

this.isavailable=isavailable;

}

public boolean isavailable(){ //

return isavailable;

}

}

//Newsmanager类：

import java.util.ArrayList;

import java.util.List;

import java.util.Scanner;

public class NewsManager { //定义类

private List<News> list=new ArrayList<News>(0); //对集合的声明

private int num=0;

public void showNews() { //显示新闻

if(num==0) {

System.out.println("没有新闻");

return;

}

for(News tmp:list) {

if( tmp.isavailable()) {

System.out.print("第"+(tmp.getnewsid())+"条新闻：\n");

System.out.println(tmp.getnewstitle()+""+tmp.getauthor());

System.out.println(tmp.getnewscontent());

}

}

}

public void addNews(int newsid,String newstitle,String newscontent,String newsauthor,boolean isavailable) { //添加新闻

num++;

list.add(new News(num,newstitle,newscontent,newsauthor,isavailable));

}

public void deleteNews(int newsid) { //删除新闻

if(num==0) {

System.out.println("没有新闻");

return;

}

for(News tmp:list)

if(tmp.getnewsid()==newsid) {

list.remove(newsid-1);

break;

}

for(int i=newsid-1;i<list.size();++i)

list.get(i).setnewsid(i+1);

num--;

}

public void selectNews(int newsid) { //查询新闻

if(num==0) {

System.out.println("没有新闻");

return;

}

for(News tmp:list) {

if(tmp.getnewsid()==newsid) {

System.out.println("第"+(tmp.getnewsid())+"条新闻：\n");

System.out.println(tmp.getnewstitle()+""+tmp.getauthor());

System.out.println(tmp.getnewscontent());

String tm="";

if(tmp.isavailable()==true)tm="发表";

else tm="不发表";

System.out.println("状态："+tm);

break;

}

}

}

public void updateNews(int newsid,String newstitle,String newscontent,boolean isTrue) {//是否发表

if(num==0) {

System.out.println("没有新闻");

return;

}

for(News tmp:list) {

if(tmp.getnewsid()==newsid) {

tmp.setnewscontent(newscontent);

tmp.setnewstitle(newstitle);

if(!isTrue)updateNews(newsid);

break;

}

}

}

public void updateNews(int newsid) {

for(News tmp:list) {

if(tmp.getnewsid()==newsid) {

boolean isTrue=tmp.isavailable();

tmp.setisavailable(!isTrue);

break;

}

}

}

public NewsManager() {}

public void Main() {

Scanner s=new Scanner(System.in); //输出菜单

do {

//Runtime.exec();

System.out.print("\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n石家庄铁道大学\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.out.print("1.显示新闻信息\n2.增加新闻信息\n3.删除新闻信息\n4.修改新闻信息\n5.查询新闻信息\n6.退出\n\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\n");

System.out.print("请输入选项：");

int choice;

do {

choice=s.nextInt();

}

while(choice>6||choice<1);

switch(choice) {

case 1:showNews();break;

case 2:{

System.out.println("输入新闻标题:");

String newstitle = s.next();

System.out.print("输入新闻内容:\n");

String con = s.next();

addNews(num,newstitle,con,"news",true);

break;

}

case 3:{

System.out.print("键入新闻标号:");

int num = s.nextInt();

deleteNews(num);

break;

}

case 4:{

System.out.print("键入新闻标号:");

int num = s.nextInt();

System.out.println("输入新闻标题:");

String newstitle = s.next();

System.out.println("输入新闻内容:");

String con = s.next();

System.out.println("是否发表(输入Y或N):");

String ble = "";

do{

ble = s.next();

}while(!ble.equals("Y")&&!ble.equals("N"));

boolean isTrue;

if(ble.equals("Y"))isTrue = true;

else isTrue = false;

updateNews(num,newstitle,con,isTrue);

break;

}

case 5:{

System.out.print("键入新闻标号:");

int num = s.nextInt();

selectNews(num);

break;

}

case 6:{

s.close(); //退出

return;

}

} //s.close();

}while(true);

}

public static void main(String[]args) {

System.out.println("信1603李梦珂20163621");

new NewsManager().Main();

}

}