第一题

***package*** com.test1;  
  
*/\*\*  
 \** ***@author*** *冉堃赤  
 \** ***@date*** *2020/3/30 21:10  
 \*/****public class*** test2 ***{  
  
 public static void*** main***(***String***[]*** args***) {*** Usb mouse = ***new*** Mouse***()***;  
 Usb keyboard = ***new*** Keyboard***()***;  
 Usb microphone = ***new*** Microphone***()***;  
 Usb disk = ***new*** Disk***()***;  
  
 Computer computer = ***new*** Computer***()***;  
 computer.setMouse***(***mouse***)***;  
 computer.setKeyboard***(***keyboard***)***;  
 computer.setMicrophone***(***microphone***)***;  
 computer.setDisk***(***disk***)***;  
  
 computer.remove***(***keyboard***)***;  
 computer.close***()***;  
 ***}  
}  
  
class*** Computer ***{  
  
 private*** Usb **mouse**;  
 ***private*** Usb **keyboard**;  
 ***private*** Usb **microphone**;  
 ***private*** Usb **disk**;  
  
 ***public*** Computer***() {*** init***()***;  
 ***}  
  
 public*** Computer***(***Usb mouse, Usb keyboard, Usb microphone, Usb disk***) {  
 this***.**mouse** = mouse;  
 ***this***.**keyboard** = keyboard;  
 ***this***.**microphone** = microphone;  
 ***this***.**disk** = disk;  
 init***()***;  
 ***}  
  
 public void*** remove***(***Usb usb***) {  
 if (***usb ***instanceof*** Mouse***) {* mouse**.delete***()***;  
 ***} else if (***usb ***instanceof*** Keyboard***) {* keyboard**.delete***()***;  
 ***} else if (***usb ***instanceof*** Microphone***) {* microphone**.delete***()***;  
 ***} else if (***usb ***instanceof*** Disk***) {* disk**.delete***()***;  
 ***}  
 }  
  
 public void*** close***() {*** System.***out***.println***(*"电脑正在关机..."*)***;  
 ***}  
  
 public void*** init***() {*** System.***out***.println***(*"电脑开始加载..."*)***;  
 ***}  
  
 public*** Usb getMouse***() {  
 return* mouse**;  
 ***}  
  
 public void*** setMouse***(***Usb mouse***) {  
 this***.**mouse** = mouse;  
 mouse.add***()***;  
 ***}  
  
 public*** Usb getKeyboard***() {  
 return* keyboard**;  
 ***}  
  
 public void*** setKeyboard***(***Usb keyboard***) {  
 this***.**keyboard** = keyboard;  
 keyboard.add***()***;  
 ***}  
  
 public*** Usb getMicrophone***() {  
 return* microphone**;  
 ***}  
  
 public void*** setMicrophone***(***Usb microphone***) {  
 this***.**microphone** = microphone;  
 microphone.add***()***;  
 ***}  
  
 public*** Usb getDisk***() {  
 return* disk**;  
 ***}  
  
 public void*** setDisk***(***Usb disk***) {  
 this***.**disk** = disk;  
 disk.add***()***;  
 ***}  
}  
  
interface*** Usb ***{  
  
 void*** add***()***;  
  
 ***void*** delete***()***;  
  
 ***void*** init***()***;  
***}  
  
class*** Mouse ***implements*** Usb ***{*** *@Override* ***public void*** add***() {*** System.***out***.println***(*"鼠标插入成功"*)***;  
 init***()***;  
 ***}*** *@Override* ***public void*** delete***() {*** System.***out***.println***(*"鼠标移出成功"*)***;  
 ***}*** *@Override* ***public void*** init***() {*** System.***out***.println***(*"鼠标正在加载..."*)***;  
 ***}  
}  
  
class*** Keyboard ***implements*** Usb ***{*** *@Override* ***public void*** add***() {*** System.***out***.println***(*"插入键盘"*)***;  
 init***()***;  
 ***}*** *@Override* ***public void*** delete***() {*** System.***out***.println***(*"键盘已移出"*)***;  
 ***}*** *@Override* ***public void*** init***() {*** System.***out***.println***(*"加载键盘..."*)***;  
 ***}  
}  
  
class*** Microphone ***implements*** Usb ***{*** *@Override* ***public void*** add***() {*** System.***out***.println***(*"添加了一个麦克风"*)***;  
 init***()***;  
 ***}*** *@Override* ***public void*** delete***() {*** System.***out***.println***(*"麦克风已移出"*)***;  
 ***}*** *@Override* ***public void*** init***() {*** System.***out***.println***(*"加载麦克风..."*)***;  
 ***}  
}  
  
class*** Disk ***implements*** Usb ***{*** *@Override* ***public void*** add***() {*** System.***out***.println***(*"添加磁盘完成"*)***;  
 init***()***;  
 ***}*** *@Override* ***public void*** delete***() {*** System.***out***.println***(*"成功移出磁盘"*)***;  
 ***}*** *@Override* ***public void*** init***() {*** System.***out***.println***(*"加载磁盘..."*)***;  
 ***}***}

第二题

***package*** com.test1;  
  
***import*** java.text.DateFormat;  
***import*** java.util.Calendar;  
***import*** java.util.Date;  
  
*/\*\*  
 \** ***@author*** *冉堃赤  
 \** ***@date*** *2020/3/30 20:30  
 \*/****public class*** test1 ***{  
  
 public static void*** main***(***String***[]*** args***) {*** Calendar calendar = Calendar.*getInstance****()***;  
 calendar.set***(***2000, 3, 30***)***;  
 Date birthday = calendar.getTime***()***;  
  
 Teacher teacher = ***new*** Teacher***(*"李老师"**, **"教授"**, 30, birthday***)***;  
 System.***out***.println***(***teacher.salary***())***;  
  
 Calendar calendar1 = Calendar.*getInstance****()***;  
 Municipality municipality = ***new*** Municipality***(*"张市长"**, 4, birthday***)***;  
 System.***out***.println***(***municipality.salary***())***;  
  
 TemporaryWork temporaryWork = ***new*** TemporaryWork***(*"小李"**, birthday***)***;  
 System.***out***.println***(***temporaryWork.salary***())***;  
 ***}  
}  
  
abstract class*** Employee ***{  
  
 protected*** String **name**;  
 ***protected int* wage**;  
 ***protected*** Date **birthday**;  
  
 ***public*** Employee***() {  
 }  
  
 public*** Employee***(***String name, Date birthday***) {  
 this***.**name** = name;  
 ***this***.**birthday** = birthday;  
 ***}  
  
 public*** Date getBirthday***() {  
 return* birthday**;  
 ***}  
  
 public void*** setBirthday***(***Date birthday***) {  
 this***.**birthday** = birthday;  
 ***}  
  
 public int*** salary***() {  
 return*** 0;  
 ***}  
  
 public*** String getName***() {  
 return* name**;  
 ***}  
  
 public void*** setName***(***String name***) {  
 this***.**name** = name;  
 ***}  
  
}  
  
class*** Teacher ***extends*** Employee ***{  
  
 private*** String **position**;  
 ***private int* num**;  
  
 ***public*** Teacher***(***String position***) {  
 this***.**position** = position;  
 ***}  
  
 public*** Teacher***(***String name, String position, ***int*** num, Date birthday***) {  
 super(***name, birthday***)***;  
 ***this***.**position** = position;  
 ***this***.**num** = num;  
 ***}  
  
 public*** Teacher***() {  
 }*** *@Override* ***public int*** salary***() {  
 switch (this***.**position*) {  
 case* "助教"**: **wage** = 50; ***break***;  
 ***case* "讲师"**: **wage** = 60; ***break***;  
 ***case* "副教授"**: **wage** = 80; ***break***;  
 ***case* "教授"**: **wage** = 150; ***break***;  
 ***default***: **wage** = 0; ***break***;  
 ***}  
 int*** sum = ***this***.**wage** \* **num**;  
 Calendar calendar = Calendar.*getInstance****()***;  
 calendar.setTime***(*birthday*)***;  
 Calendar current = Calendar.*getInstance****()***;  
 ***if (***calendar.get***(***Calendar.***MONTH)*** == ***(***current.get***(***Calendar.***MONTH)*** + 1***)*** &&  
 calendar.get***(***Calendar.***DAY\_OF\_MONTH)*** == current.get***(***Calendar.***DAY\_OF\_MONTH)) {*** *//生日加钱* sum += 300;  
 ***}  
 if (***current.get***(***Calendar.***YEAR)*** - calendar.get***(***Calendar.***YEAR)*** >= 50***) {*** *//老年津贴* sum += 500;  
 ***}  
 return*** sum;  
 ***}  
  
 public int*** getNum***() {  
 return* num**;  
 ***}  
  
 public void*** setNum***(int*** num***) {  
 this***.**num** = num;  
 ***}  
  
 public*** String getPosition***() {  
 return* position**;  
 ***}  
  
 public void*** setPosition***(***String position***) {  
 this***.**position** = position;  
 ***}  
}  
  
class*** Municipality ***extends*** Employee ***{  
  
 private int* level**;  
  
 ***public*** Municipality***(int*** level***) {  
 this***.**level** = level;  
 ***}  
  
 public*** Municipality***(***String name, ***int*** level, Date birthday***) {  
 super(***name, birthday***)***;  
 ***this***.**level** = level;  
 ***}  
  
 public*** Municipality***() {  
 }*** *@Override* ***public int*** salary***() {  
 switch (this***.**level*) {  
 case*** 1: **wage** = 5000; ***break***;  
 ***case*** 2: **wage** = 6000; ***break***;  
 ***case*** 3: **wage** = 8000; ***break***;  
 ***case*** 4: **wage** = 9000; ***break***;  
 ***default***: **wage** = 0; ***break***;  
 ***}*** Calendar calendar = Calendar.*getInstance****()***;  
 calendar.setTime***(*birthday*)***;  
 Calendar current = Calendar.*getInstance****()***;  
 ***if (***calendar.get***(***Calendar.***MONTH)*** == ***(***current.get***(***Calendar.***MONTH)*** + 1***)*** &&  
 calendar.get***(***Calendar.***DAY\_OF\_MONTH)*** == current.get***(***Calendar.***DAY\_OF\_MONTH)) {*** *//生日加钱* **wage** += 300;  
 ***}  
 if (***current.get***(***Calendar.***YEAR)*** - calendar.get***(***Calendar.***YEAR)*** >= 50***) {*** *//老年津贴* **wage** += 500;  
 ***}  
 return* wage**;  
 ***}  
  
 public int*** getLevel***() {  
 return* level**;  
 ***}  
  
 public void*** setLevel***(int*** level***) {  
 this***.**level** = level;  
 ***}  
}  
  
class*** TemporaryWork ***extends*** Employee ***{  
  
 public*** TemporaryWork***() {  
 }  
  
 public*** TemporaryWork***(***String name, Date birthday***) {  
 super(***name, birthday***)***;  
 ***}*** *@Override* ***public int*** salary***() {  
 int*** sum = 200 \* 30;  
 Calendar calendar = Calendar.*getInstance****()***;  
 calendar.setTime***(*birthday*)***;  
 Calendar current = Calendar.*getInstance****()***;  
 ***if (***calendar.get***(***Calendar.***MONTH)*** == ***(***current.get***(***Calendar.***MONTH)*** + 1***)*** &&  
 calendar.get***(***Calendar.***DAY\_OF\_MONTH)*** == current.get***(***Calendar.***DAY\_OF\_MONTH)) {*** *//生日加钱* sum += 300;  
 ***}  
 if (***current.get***(***Calendar.***YEAR)*** - calendar.get***(***Calendar.***YEAR)*** >= 50***) {*** *//老年津贴* sum += 500;  
 ***}  
 return*** sum;  
 ***}***}