* 1. 查询所有心血管内科的专家号医生(列出医生真实姓名)；

select distinct doctorName

from 03doctors

where departmentID in(select departmentID

from 10departments

where departmentName=”心血管内科”)

and registeredGradeID in(select registeredGradeID

from 13registeredGrades

where gradeName=”专家号”)

* 1. 查询所有药品中，药品单价的最大值与最小值之差(列出差值)；

select max(unitPriceOfDrugs)-min(unitPriceOfDrugs)

from 06drugs

* 1. 查询待诊患者人数超过5人的科室(列出科室名称)；

select departmentName

from 10departments natural join 14registrationForm

where statusOfConsultation="1"

group by departmentName

having count(statusOfConsultation)>5

* 1. 查询所有要在2019年4月上7次以上班的医生(列出医生真实姓名)；

select doctorName

from 03doctors natural join 11scheduling

where YEAR(schedulingDate)=2019 and MONTH(schedulingDate)=04

group by doctorID

having count(doctorID)>7

* 1. 统计每天看诊人次，从高到低排序(列出日期及当天挂号人次)；

select dateOfConsultation,count(dateOfConsultation)

from 14registrationForm

group by dateOfConsultation

order by count(dateOfConsultation) desc

* 1. 查询最近三个月挂号次数不少于3次的患者(列出患者真实姓名及身份证号)；

select patientName, patientIDNumber

from 01patients natural join 14registrationForm

where MONTH(SYSDATE()) -3<MONTH(registrationTime)<= MONTH(SYSDATE())

group by medicalRecordNumber

having count(registrationTime)>=3

* 1. 查询患者费用表中缴费总额与退费总额(列出缴费总额与退费总额)；

select sum((case when quantity>0 then quantity else 0 end)\*unitPriceOfItems)as pay,sum((case when quantity<0 then quantity else 0 end)\*unitPriceOfItems)as refund

from 23costDetails

* 1. 查询所有主任医师和副主任医师(列出医生真实姓名，请使用IN关键字完成)；

select doctorName

from 03doctors

where titleID in ("主任医师","副主任医师")

* 1. 查询所有开立过的检验项目(列出项目名称)；

select examineName

from 08examine

where examineID in(select itemID from 20checkList)

* 1. 查询上班天数大于平均上班天数的医生(列出医生真实姓名及上班天数)；

select doctorName,countDays

from 03doctors natural join((select doctorID,count(doctorID) as countDays from 11scheduling group by doctorID) as countTable)

where countDays>(select avg(countDays)from ((select doctorID,count(doctorID) as countDays from 11scheduling group by doctorID) as countTable))