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CS 4347.503

Phase 3

Part B

```
[mysql> select * from administrators
-> ;
```

essn
122999126
124534627
550110669
692059235
873496451

```
5 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE appointment(  
    -> appointmentId INTEGER(5),  
    -> time TIME,  
    -> date DATE,  
    -> Constraint appointmentPKConstraint  
    -> PRIMARY KEY (appointmentId)  
    -> );
```

Query OK, 0 rows affected, 1 warning (0.01 sec)

```
mysql> select * from appointment;
```

appointmentId	time	date
42	11:30:00	2001-01-01
320	09:30:00	2001-01-01
378	07:00:00	2001-01-01
4932	12:30:00	2001-01-01
9387	08:30:00	2001-01-01
12321	08:00:00	2001-01-01
15322	01:00:00	2001-01-01
22134	11:00:00	2001-01-01
23134	10:00:00	2001-01-01
50392	01:30:00	2001-01-01

```
10 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE billing_specialist(  
  ->  essn INTEGER(10),  
  ->  billingInfo VARCHAR(255),  
  ->  Constraint employeePKConstraint  
  ->  PRIMARY KEY (essn)  
  -> );
```

```
Query OK, 0 rows affected, 1 warning (0.01 sec)
```

```
mysql> select * from billing_specialist;
```

essn	billingInfo
193726581	Cash
207955916	Insurance
631806149	Credit
810763928	Insurance
814566557	Credit

```
5 rows in set (0.00 sec)
```

```
mysql>
```

```
mysql> CREATE TABLE department(
  -> departmentId INTEGER(2),
  -> departmentName VARCHAR(50),
  -> Constraint departmentPKConstraint
  ->
Display all 780 possibilities? (y or n)
  -> PRIMARY KEY (departmentId)
  -> );
Query OK, 0 rows affected, 1 warning (0.00 sec)
```

```
mysql> select * from department;
+-----+-----+
| departmentId | departmentName |
+-----+-----+
|          1 | Cardiology     |
|          2 | Oncology       |
|          3 | Neurology      |
|          4 | Pediatrics     |
|          5 | Internal Medicine |
+-----+-----+
5 rows in set (0.00 sec)

mysql> █
```

```
mysql> CREATE TABLE doctor(
  -> essn INTEGER(10),
  -> departmentId INTEGER(2),
  -> roomId INTEGER(2) NOT NULL DEFAULT 0,
  -> reportId INTEGER(5),
  -> Constraint employeePKConstraint
  -> PRIMARY KEY (essn),
  -> Constraint roomFK
  ->
Display all 780 possibilities? (y or n)
  -> FOREIGN KEY(roomId) REFERENCES room(roomId)
  -> ON DELETE SET DEFAULT
  -> ON UPDATE CASCADE,
  -> Constraint drToReportFK
  ->
Display all 780 possibilities? (y or n)
  -> FOREIGN KEY(reportId) REFERENCES report(reportId)
  -> ON DELETE SET NULL
  -> ON UPDATE CASCADE
  -> );
Query OK, 0 rows affected, 4 warnings (0.01 sec)
```

```
[mysql> select * from doctor;
```

essn	departmentId	roomId	reportId
135801141	5	24	10067
218443429	4	17	10051
365968732	1	1	10039
370674578	3	11	10005
558773369	1	2	10005
638924880	5	25	10078
639038304	2	8	10022
660114793	3	13	10035
703022573	4	16	10042
898481494	2	6	10013

```
10 rows in set (0.01 sec)
```

```
mysql> CREATE TABLE employee (  
  -> essn INTEGER(10),  
  -> firstname VARCHAR(70),  
  -> lastname VARCHAR(70),  
  -> username VARCHAR(70),  
  -> password VARCHAR(70),  
  -> phoneNumber VARCHAR(70),  
  -> dateOfBirth VARCHAR(70),  
  -> email VARCHAR(70),  
  -> Constraint employeePKConstraint  
  -> PRIMARY KEY (essn)  
  -> );  
Query OK, 0 rows affected, 1 warning (0.02 sec)  
  
mysql> █
```

```
mysql> select * from employee;
```

essn	firstname	lastname	username	password	phoneNumber	dateOfBirth	email
122999126	Emmie	Macknish	emacknishe	mDo7PXh	4845385135	1984-07-21	emacknishe@cornell.edu
124534627	Kristin	Pareman	kparemana	arvoCKrQe	5739085649	1990-08-27	kparemana@over-blog.com
135801141	Sheppard	Hulcoop	shulcoops	R05zbu0xVZ99	5425365964	1999-02-04	shulcoops@wordpress.com
188458099	Romola	Madders	rmaddersy	TgEi3l2q	8332362164	1998-09-19	rmaddersy@ocn.ne.jp
193726581	Madeline	Sheldrake	msheldrakez	MITjSwe1Gqy1	7946578531	1994-02-14	msheldrakez@google.com.br
287955916	Margy	Streatfeild	mstreatfeild12	kQMT5KJdq1U2	8976870347	1989-12-31	mstreatfeild12@bizjournals.com
218443429	Hy	Itzkovici	hitzkovici	UZD8u9zg	1971164585	2001-10-14	hitzkovici@scientificamerican.com
251817688	Karilynn	Swaffer	kswafferw	LGSyo13	6492414883	1985-02-21	kswafferw@redcross.org
264413513	Link	Behagg	lbehaggv	p7eppb6AR	1244428763	1995-04-05	lbehaggv@prlog.org
282761427	Caprice	Killingworth	ckillingworth2	HoONQ4BV00G	3907870987	1995-10-09	ckillingworth2@wiley.com
282949625	Germaine	Henkmann	ghenkmann0	UbtKinCpdZH2	1361971016	1994-04-02	ghenkmann0@dot.gov
289493574	Agosto	Grosvener	agrosvener1	ZEnuEJlb5lrm	7849738318	1984-12-24	agrosvener1@narod.ru
290106497	Zsazsa	Hambright	zhambrightx	FjJzbiF4	3118837065	1992-02-25	zhambrightx@shinystat.com
299453984	Vivienne	Braisher	vbraisher8	uCDfwiTkACiu	7035574251	1987-12-06	vbraisher8@webnode.com
349355959	Roldan	Goldby	rgoldby2	XMF1bz3b2	1395081395	1999-09-22	rgoldby2@icio.us
365968732	Fara	Karel	fkarelj	OuE9jVcngNNW	7013536910	1996-06-08	fkarelj@thetimes.co.uk
370674578	Selle	McGill	smcgillo	DnISuA	1279968728	1992-01-06	smcgillo@pcworld.com
428526280	Anna-diane	Papen	apapen3	o9aPAo4	3575782604	1989-02-27	apapen3@taobao.com
445108868	Linda	Seldner	lseldner3	nLnTFK04	8397342190	2004-07-22	lseldner3@cafepress.com
514035765	Kris	Jiggle	kjigglei	jORR6Wha	9163338530	1995-12-03	kjigglei@chronoengine.com
535875897	Steffen	Dufour	sdufour6	Oo38dBU0k	5163541812	1992-12-28	sdufour6@cnbc.com
550118669	Geneva	Barck	gbarckc	MREAQ9nE	2493917385	1990-08-14	gbarckc@fastcompany.com
558773369	Ellissa	Scawn	escawn1	BPdnifw	8179939284	2001-09-19	escawn1@gizmodo.com
564196262	Fannie	Slinn	fslinn4	kzYi1PJ	8573585817	2000-01-05	fslinn4@va.gov
613843230	Lavinia	Batcock	lbatcock7	MYpnrDys8	4858064292	1992-12-28	lbatcock7@ca.gov
631806149	Melania	Danielou	mdanielou10	FKIhtH	8783112472	2002-08-16	mdanielou10@yelp.com
633693251	Hurlee	Ruckman	hruckman5	RQ1jWj51	7749725243	1984-01-19	hruckman5@drupal.org
638924880	Farleigh	Vedeshkin	fvedeshkint	YRe2Ak	9559181506	1995-12-31	fvedeshkint@forbes.com
639038384	Ulrike	Brade	ubraden	RWS1w5o9ld76	4262153674	2005-02-12	ubraden@tinypic.com
660114793	Dalila	Woolsey	dwoolsey	LUS0Vh	7787598231	1991-10-19	dwoolsey@freewebs.com
676284134	Leann	Boller	lboller9	Bp1ZrX4g	4047735472	1985-09-15	lboller9@free.fr
680038878	Lock	Ternott	lternott4	2ttfSbnCKuLl	8975790002	1984-09-17	lternott4@yahoo.com
682567919	Tildi	Brasher	tbrasherf	Yxds5g	4152061506	1995-04-28	tbrasherf@answers.com
683377572	Janna	Rapp	jrapp0	THKYfsF	8425199291	1984-01-09	jrapp0@mtv.com
692059235	Demetri	Rafter	drafterb	MREAQ9nE	8091888486	1996-09-08	drafterb@fda.gov
738022573	Burke	Coton	bcoatonq	MpLXgBkrR8f	6213221321	1996-03-08	bcoatonq@last.fm
790778459	Babbie	Worthing	bworthingu	Ysg0Dg	7833004518	1998-04-04	bworthingu@cocolog-nifty.com
810763928	Alicia	Stormouth	astormouth11	AiivSkf	9014987891	1990-01-09	astormouth11@artisteer.com
814566557	Nancey	Dunniom	ndunniom13	NoKODBjdEZi	8549340564	1983-08-07	ndunniom13@delicious.com
853398644	Myrta	Diehn	mdiehn	rlSPNj	9491958119	1983-06-02	mdiehn@ning.com
858980174	Esta	Vaz	evazg	xKCF0Uccli	3054496142	2000-08-07	evazg@naver.com
873496451	Celine	Dorsett	cdorsettd	Tbp6ajj6fBT	6697868966	1991-12-14	cdorsettd@hhs.gov
882773628	Shana	Pickford	spickford1	cCgF00e	5166413759	1988-08-18	spickford1@nyu.edu
898481494	Mina	Houston	mhoustonm	uuhkuwORgw	4998600650	1994-12-05	mhoustonm@123-reg.co.uk

```
44 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE lab_assistant(  
-> essn INTEGER(2),  
-> reportId INTEGER(2),  
-> Constraint employeePKConstraint  
-> PRIMARY KEY (essn),  
-> Constraint reportIdFK  
-> FOREIGN KEY (reportId) REFERENCES report(reportId)  
-> );
```

```
Query OK, 0 rows affected, 2 warnings (0.01 sec)
```

```
mysql> select * from lab_assistant;
```

essn	reportId
676284134	10005
633693251	10022
535875897	10051
613843230	10067
299453984	10091

5 rows in set (0.00 sec)

```
mysql> █
```

```
[mysql> use hospital_db;
```

Database changed

```
mysql> CREATE TABLE medical_condition
```

```
-> (
```

```
->   conditionId INTEGER(3),
```

```
->   conditionName VARCHAR(50),
```

```
->   Constraint conditionPKConstraint PRIMARY KEY (conditionId)
```

```
[ -> );
```

Query OK, 0 rows affected, 1 warning (0.01 sec)

```
[mysql> show tables;
```

Tables_in_hospital_db
medical_condition

1 row in set (0.01 sec)

```
mysql> █
```

```
mysql> select * from medical_condition
-> ;
```

conditionId	conditionName
20	Covid-19
21	Heart attack/stroke
22	Alzheimers/Dementia
23	Post-operation
24	Pneumonia
25	Transplant

```
6 rows in set (0.00 sec)
```

```
mysql> CREATE TABLE medicine(
-> medicineId INTEGER (7),
-> reportId INTEGER(5),
-> medicineName VARCHAR (50),
-> Constraint medicinePKConstraint
->
Display all 780 possibilities? (y or n)
-> PRIMARY KEY (medicineId)
-> );
Query OK, 0 rows affected, 2 warnings (0.02 sec)
```

```
mysql> select * from medicine;
```

medicineId	reportId	medicineName
93421	10001	Ibuprofen
195839	10004	Zyrtec
6843910	10003	Tylenol
7321936	10005	Xanax
9384501	10002	Amoxicillin

```
5 rows in set (0.01 sec)

mysql>
```

```

mysql> CREATE TABLE nurse(
  ->   essn INTEGER(10),
  ->   departmentId INTEGER(2),
  ->   roomId INTEGER(2) NOT NULL DEFAULT 0,
  ->   reportId INTEGER(5) NOT NULL DEFAULT 0,
  ->   Constraint nursePKConstraint
  ->
Display all 780 possibilities? (y or n)
  ->   PRIMARY KEY (essn),
  ->   Constraint nurseToRoomFKConstraint
  ->
Display all 780 possibilities? (y or n)
  ->   FOREIGN KEY (roomId) REFERENCES room(roomId)
  ->
Display all 780 possibilities? (y or n)
  ->   ON DELETE SET DEFAULT ON UPDATE CASCADE,
  ->   Constraint nurseToReportFKConstraint
  ->
Display all 780 possibilities? (y or n)
  ->   FOREIGN KEY (reportId) REFERENCES report(reportId)
  ->   ON DELETE SET DEFAULT ON UPDATE CASCADE
  -> );
Query OK, 0 rows affected, 4 warnings (0.01 sec)

```

```

mysql> select * from nurse;

```

essn	departmentId	roomId	reportId
282761427	1	2	10051
289493574	1	2	10078
445108868	1	2	10067
680030878	1	2	10039
683377572	1	2	10035

```

5 rows in set (0.00 sec)

```



```

mysql> CREATE TABLE patient (
    -> roomId INTEGER(2),
    -> patientId INTEGER(5),
    -> username VARCHAR(70),
    -> password VARCHAR(70),
    -> phoneNumber INTEGER(10),
    -> address VARCHAR(70),
    -> pharmacy VARCHAR(70),
    -> reportId INTEGER(5),
    -> billingInfo VARCHAR(255),
    -> appointmentId INTEGER(5),
    -> dateOfBirth VARCHAR(70),
    -> email VARCHAR(70),
    -> conditionId INTEGER(3),
    -> Constraint patientPKConstraint
    ->
Display all 780 possibilities? (y or n)
    -> PRIMARY KEY (patientId),
    -> Constraint patientToReportFKConstraint
    ->
Display all 780 possibilities? (y or n)
    -> FOREIGN KEY (reportId) REFERENCES report(reportId)
    ->
Display all 780 possibilities? (y or n)
    -> ON DELETE SET NULL
    ->
Display all 780 possibilities? (y or n)
    -> ON UPDATE CASCADE,
    -> Constraint patientToAppointmentFKConstraint
    ->
Display all 780 possibilities? (y or n)
    -> FOREIGN KEY (appointmentId) REFERENCES appointment(appointmentId)
    ->
Display all 780 possibilities? (y or n)
    -> ON DELETE SET NULL
    ->
Display all 780 possibilities? (y or n)
    -> ON UPDATE CASCADE,
    -> Constraint patientToConditionFKConstraint
    ->
Display all 780 possibilities? (y or n)
    -> FOREIGN KEY (conditionId) REFERENCES medical_condition(conditionId)
    ->
Display all 780 possibilities? (y or n)
    -> ON DELETE SET NULL
    ->
Display all 780 possibilities? (y or n)
    -> ON UPDATE CASCADE
    -> );
Query OK, 0 rows affected, 6 warnings (0.02 sec)

```

```
mysql> select * from patient;
```

roomID	patientID	username	PASSWORD	phoneNumber	address	pharmacy	reportID	billingInfo	appointmentId	dateOfBirth	email	conditionId
1	11220	ddecopeman0	diloFP	6071053878	98227 Blue Bill Park Alley	CVS	10035	insurance	15322	02-06-1945	mlyddy0@tumblr.com	20
2	11221	jseabrook1	PUZrs2bd	2474581076	5 Bultman Drive	Walgreens	10042	credit card	9387	05-23-1985	pbourgeois1@mtv.com	21
3	11222	eokerin2	dIVLJdZ3V	3106025694	9 Fisk Pass	Walmart	10022	cash	22134	10-15-1950	sheyworth2@youtu.be	22
4	11223	gdiddams3	rUKSEPIrjUF	2095516469	1 Buena Vista Place	CVS	10067	insurance	42	03-12-1958	rubiks@cube.com	23
5	11224	ecotsum4	vg1o6AGI2XQ	6943459074	203 Welch Park	Kroger	10051	insurance	50392	03-24-1974	mdowdrey4@google.co.uk	24
6	11225	evanvelde5	v7FNr1SSbJ	7198824804	251 Cardinal Plaza	CVS	10078	insurance	378	10-16-1988	tonolan5@washington.edu	25
7	11226	cfogt6	MWp49LJa	4142527685	44 Mayer Street	Walgreens	10005	credit card	4932	05-03-1976	sdicte6@marketwatch.com	22
8	11227	rsatford7	QDyaSjz	6988176810	46067 Claremont Crossing	Walgreens	10042	insurance	12321	11-09-1972	mgillet7@tamu.edu	21
9	11228	gcadger8	Z3BOJ0JwXO	7871548061	734 Brentwood Road	CVS	10013	credit card	320	08-09-1984	ckearn8@addtoany.com	25
10	11229	thorburgh9	immlcY	9934069763	70799 Cardinal Junction	Walmart	10091	insurance	23134	06-30-2000	etellenbrok9@tripod.com	22

10 rows in set (0.00 sec)

```
mysql> CREATE TABLE receptionist(
->     essn VARCHAR(10),
->     departmentId INTEGER(2) NOT NULL DEFAULT 0,
->     appointmentId INTEGER(5),
->     Constraint employeePKConstraint
->
Display all 780 possibilities? (y or n)
->     PRIMARY KEY (essn),
->     Constraint departmentFK
->     FOREIGN KEY(departmentId) REFERENCES department(departmentId)
->
Display all 780 possibilities? (y or n)
->     ON DELETE SET DEFAULT    ON UPDATE CASCADE,
->     Constraint appointmentFK
->
Display all 780 possibilities? (y or n)
->     FOREIGN KEY(appointmentId) REFERENCES appointment(appointmentId)
->
Display all 780 possibilities? (y or n)
->     ON DELETE SET NULL    ON UPDATE CASCADE
-> );
Query OK, 0 rows affected, 2 warnings (0.01 sec)
```

```
mysql> select * from receptionist;
```

essn	departmentId	appointmentId
365968732	5	50392
514035765	4	15322
682567919	1	320
853398644	3	12321
858980174	2	4932

5 rows in set (0.00 sec)

```
mysql> CREATE TABLE record_keeper(  
  -> essn INTEGER(10),  
  -> Constraint employeePKConstraint  
  -> PRIMARY KEY (essn)  
  -> );  
Query OK, 0 rows affected, 1 warning (0.01 sec)  
  
mysql>
```

```
mysql> select * from record_keeper;  
+-----+  
|  essn  |  
+-----+  
| 282949625 |  
| 349355959 |  
| 428526280 |  
| 564196262 |  
| 882773628 |  
+-----+  
5 rows in set (0.00 sec)  
  
mysql>
```

```
mysql> CREATE TABLE report(  
  -> reportId INTEGER(5),  
  -> labResults VARCHAR(50),  
  -> medicineId INTEGER(7),  
  -> Constraint reportPKConstraint  
  -> PRIMARY KEY (reportId),  
  -> Constraint reportFKConstraint  
  -> FOREIGN KEY (medicineId) REFERENCES medicine(medicineId)  
  -> ON DELETE SET NULL  
  -> ON UPDATE CASCADE  
  -> );  
Query OK, 0 rows affected, 2 warnings (0.01 sec)
```

```
mysql> select * from report;
```

reportId	labResults	medicineId
10005	pending	7321936
10013	reviewed	93421
10022	in review	6843910
10035	pending	9384501
10039	in review	195839
10042	pending	93421
10051	reviewed	9384501
10067	in review	195839
10078	reviewed	7321936
10091	reviewed	195839

```
10 rows in set (0.01 sec)
```

```
mysql> CREATE TABLE room(  
  -> roomId INTEGER(2),  
  -> departmentId INTEGER(2) NOT NULL DEFAULT 0,  
  -> roomNo INTEGER(2),  
  -> Constraint roomPKConstraint  
  -> PRIMARY KEY (roomId),  
  -> Constraint departmentFKConstraint  
  -> FOREIGN KEY (departmentId) REFERENCES department(departmentId)  
  -> ON DELETE SET DEFAULT  
  -> ON UPDATE CASCADE  
  -> );
```

```
Query OK, 0 rows affected, 3 warnings (0.01 sec)
```

```
[mysql> select * from room;
```

roomId	departmentId	roomNo
1	1	11
2	1	12
3	1	13
4	1	14
5	1	15
6	2	21
7	2	22
8	2	23
9	2	24
10	2	25
11	3	31
12	3	32
13	3	33
14	3	34
15	3	35
16	4	41
17	4	42
18	4	43
19	4	44
20	4	45
21	5	51
22	5	52
23	5	53
24	5	54
25	5	55

```
25 rows in set (0.01 sec)
```

```
mysql> CREATE TABLE ward_boy(
  -> essn INTEGER(10),
  -> departmentId INTEGER(2) NOT NULL DEFAULT 0,
  -> roomId INTEGER(2) NOT NULL DEFAULT 0,
  -> reportId INTEGER(5),
  -> Constraint employeePKConstraint
  -> PRIMARY KEY (essn),
  -> Constraint wardboyFKConstraint
  -> FOREIGN KEY (departmentId) REFERENCES department(departmentId)
  -> ON DELETE SET DEFAULT
  -> ON UPDATE CASCADE,
  -> Constraint roomFKConstraint
  -> FOREIGN KEY (roomId) REFERENCES room(roomId)
  -> ON DELETE SET DEFAULT
  -> ON UPDATE CASCADE,
  -> Constraint wbToReportFKConstraint
  -> FOREIGN KEY (reportId) REFERENCES report(reportId)
  -> ON DELETE SET NULL
  -> ON UPDATE CASCADE
  -> );
Query OK, 0 rows affected, 4 warnings (0.02 sec)
```

```
mysql> select * from ward_boy;
```

essn	departmentId	roomId	reportId
188450099	5	25	10067
251817688	3	13	10022
264413513	2	11	10042
290106497	4	24	10013
790778459	1	8	10051

```
5 rows in set (0.00 sec)
```

Part C

Database Construction

```
CREATE TABLE patient (
  roomId INTEGER(2),
  patientId INTEGER(5),
  username VARCHAR(70),
```

```

password VARCHAR(70),
phoneNumber VARCHAR(10),
address VARCHAR(70),
pharmacy VARCHAR(70),
reportID INTEGER(5),
billingInfo VARCHAR(255),
appointmentId INTEGER(5),
dateOfBirth VARCHAR(70),
email VARCHAR(70),
conditionId INTEGER(3),
Constraint patientPKConstraint
    PRIMARY KEY (patientId),
Constraint patientToReportFKConstraint
    FOREIGN KEY (reportID) REFERENCES
report(reportID)
    ON DELETE SET NULL
    ON UPDATE CASCADE,
Constraint patientToAppointmentFKConstraint
    FOREIGN KEY (appointmentId) REFERENCES
appointment(appointmentId)
    ON DELETE SET NULL
    ON UPDATE CASCADE,
Constraint patientToConditionFKConstraint
    FOREIGN KEY (conditionId) REFERENCES
medical_condition(conditionId)
    ON DELETE SET NULL
    ON UPDATE CASCADE
);

```

```

CREATE TABLE employee (

```

```

    essn INTEGER(10),
    firstname VARCHAR(70),
    lastname VARCHAR(70),
    username VARCHAR(70),
    password VARCHAR(70),
    phoneNumber VARCHAR(70),
    dateOfBirth VARCHAR(70),
    email VARCHAR(70),
    Constraint employeePKConstraint
        PRIMARY KEY (essn)
);
CREATE TABLE nurse(
    essn INTEGER(10),
    departmentID INTEGER(2),
    roomID INTEGER(2) NOT NULL DEFAULT 0,
    reportID INTEGER(5) NOT NULL DEFAULT 0,
    Constraint nursePKConstraint
        PRIMARY KEY (essn),
    Constraint nurseToRoomFKConstraint
        FOREIGN KEY (roomID) REFERENCES room(roomID)
        ON DELETE SET DEFAULT ON UPDATE
    CASCADE,
    Constraint nurseToReportFKConstraint
        FOREIGN KEY (reportID) REFERENCES
report(reportID)
        ON DELETE SET DEFAULT ON UPDATE CASCADE
);
CREATE TABLE receptionist(
    essn VARCHAR(10),

```



```
departmentID INTEGER(2) NOT NULL DEFAULT 0,  
appointmentID INTEGER(5),  
Constraint employeePKConstraint  
    PRIMARY KEY (essn),  
Constraint departmentFK  
    FOREIGN KEY(departmentID) REFERENCES  
department(departmentID)  
        ON DELETE SET DEFAULT  ON UPDATE  
CASCADE,  
Constraint appointmentFK  
    FOREIGN KEY(appointmentID) REFERENCES  
appointment(appointmentID)  
        ON DELETE SET NULL  ON UPDATE CASCADE  
);
```

```
CREATE TABLE administrators(  
    essn INTEGER(10),  
    Constraint employeePKConstraint  
    PRIMARY KEY (essn)  
);
```

```
CREATE TABLE record_keeper(  
    essn INTEGER(10),  
    Constraint employeePKConstraint  
    PRIMARY KEY (essn)  
);
```

```
CREATE TABLE doctor(  

```

```

    essn INTEGER(10),
    departmentID INTEGER(2),
    roomID INTEGER(2) NOT NULL DEFAULT 0,
    reportID INTEGER(5),
    Constraint employeePKConstraint
        PRIMARY KEY (essn),
    Constraint roomFK
        FOREIGN KEY(roomID) REFERENCES room(roomID)
        ON DELETE SET DEFAULT
        ON UPDATE CASCADE,
    Constraint drToReportFK
        FOREIGN KEY(reportID) REFERENCES
report(reportID)
        ON DELETE SET NULL
        ON UPDATE CASCADE
);

```

```

CREATE TABLE ward_boy(
    essn INTEGER(10),
    departmentID INTEGER(2) NOT NULL DEFAULT 0,
    roomID INTEGER(2) NOT NULL DEFAULT 0,
    reportID INTEGER(5),
    Constraint employeePKConstraint
        PRIMARY KEY (essn),
    Constraint wardboyFKConstraint
        FOREIGN KEY (departmentID) REFERENCES
department(departmentID)
        ON DELETE SET DEFAULT
        ON UPDATE CASCADE,
    Constraint roomFKConstraint

```

```
        FOREIGN KEY (roomID) REFERENCES room(roomID)
        ON DELETE SET DEFAULT
        ON UPDATE CASCADE,
    Constraint wbToReportFKConstraint
        FOREIGN KEY (reportID) REFERENCES
report(reportID)
        ON DELETE SET NULL
        ON UPDATE CASCADE
);
```

```
CREATE TABLE report(
    reportID INTEGER(5),
    labResults VARCHAR(50),
    medicineId INTEGER(7),
    Constraint reportPKConstraint
    PRIMARY KEY (reportID),
    Constraint reportFKConstraint
    FOREIGN KEY (medicineId) REFERENCES
medicine(medicineId)
    ON DELETE SET NULL
    ON UPDATE CASCADE
);
```

```
CREATE TABLE lab_assistant(
    essn INTEGER(2),
    reportID INTEGER(2),
    Constraint employeePKConstraint
        PRIMARY KEY (essn),
    Constraint reportIDFK
        FOREIGN KEY (reportID) REFERENCES report(reportID)
```

);

```
CREATE TABLE billing_specialist(  
    essn INTEGER(10),  
    billingInfo VARCHAR(255),  
    Constraint employeePKConstraint  
        PRIMARY KEY (essn)
```

);

```
CREATE TABLE medicine(  
    medicineId INTEGER (7),  
    reportID INTEGER(5),  
    medicineName VARCHAR (50),  
    Constraint medicinePKConstraint  
        PRIMARY KEY (medicineId)
```

);

```
CREATE TABLE department(  
    departmentID INTEGER(2),  
    departmentName VARCHAR(50),  
    Constraint departmentPKConstraint  
        PRIMARY KEY (departmentID)
```

);

```
CREATE TABLE medical_condition(  
    conditionId INTEGER (3),  
    conditionName VARCHAR(50),  
    Constraint conditionPKConstraint  
    PRIMARY KEY (conditionId)
```

);

```
CREATE TABLE room(  
    roomID INTEGER(2),  
    departmentID INTEGER(2) NOT NULL DEFAULT 0,  
    roomNo INTEGER(2),  
    Constraint roomPKConstraint  
        PRIMARY KEY (roomID),  
    Constraint departmentFKConstraint  
        FOREIGN KEY (departmentID) REFERENCES  
        department(departmentID)  
        ON DELETE SET DEFAULT  
        ON UPDATE CASCADE  
);
```

```
CREATE TABLE appointment(  
    appointmentId INTEGER(5),  
    time TIME,  
    date DATE,  
    Constraint appointmentPKConstraint  
        PRIMARY KEY (appointmentId)  
);
```

Database population

Employee (Ryan) (done)

1. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES (282949625, 'Germaine', 'Henkmann', 'ghenkmann0', 'UbtKinCpdZH2', '1361971016', '1994-04-02', 'ghenkmann0@dot.gov');

2. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES (882773628, 'Shana', 'Pickford', 'spickford1', 'cCgfQGe', '5166413759', '1988-08-18', 'spickford1@nyu.edu');
3. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('349355959', 'Roldan', 'Goldby', 'rgoldby2', 'XMF1bz3b2', '1395081395', '1999-09-22', 'rgoldby2@icio.us');
4. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('428526280', 'Anna-diane', 'Papen', 'apapen3', 'o9aPAo4', '3575782604', '1989-02-27', 'apapen3@taobao.com');
5. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('564196262', 'Fannie', 'Slinn', 'fslinn4', 'kzYi1PJ', '8573585817', '2000-01-05', 'fslinn4@va.gov');
6. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES (633693251, 'Hurlee', 'Ruckman', 'hruckman5', 'RQ1jWj5l', '7749725243', '1984-01-19', 'hruckman5@drupal.org');
7. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('535875897', 'Steffen', 'Dufour', 'sdufour6', 'Oo38dBU0k', '5763541812', '1992-12-28', 'sdufour6@cnbc.com');
8. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('613843230', 'Lavinia', 'Batcock', 'ibatcock7', 'MYpnrDys8', '4858064292', '1992-12-28', 'ibatcock7@ca.gov');
9. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('299453984', 'Vivienne', 'Braisher', 'vbraisher8', 'uCDfviTkACiu', '7035574251', '1987-12-06', 'vbraisher8@webnode.com');
10. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('676284134', 'Leann', 'Boller', 'lboller9', 'BplZrX4g', '4047735472', '1985-09-15', 'lboller9@free.fr');
11. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('124534627', 'Kristin', 'Pareman', 'kparemana', 'arvoCKrQe', '5739085649', '1990-08-27', 'kparemana@over-blog.com');
12. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('692059235', 'Demetri', 'Rafter', 'drafterb', 'MREAQ9nE', '8091888486', '1996-09-08', 'drafterb@fda.gov');
13. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('550110669', 'Geneva', 'Barck', 'gbarckc', 'MREAQ9nE', '2493917385', '1990-08-14', 'gbarckc@fastcompany.com');

14. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('873496451', 'Celine', 'Dorsett', 'cdorsettd', 'Tbp6qjg6fBT', '6697868966', '1991-12-14', 'cdorsettd@hhs.gov');

15. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('122999126', 'Emmie', 'Macknish', 'emacknishe', 'mDo7PXh', '4045385135', '1984-07-21', 'emacknishe@cornell.edu');

16. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('682567919', 'Tildi', 'Brasher', 'tbrasherf', 'Yxds5g', '4152061506', '1995-04-28', 'tbrasherf@answers.com');

17. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('858980174', 'Esta', 'Vaz', 'evazg', 'xKCf0UCcli', '3054496142', '2000-08-07', 'evazg@naver.com');

18. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('853398644', 'Myrta', 'Diehn', 'mdiehn', 'rISPnj', '9491958119', '1983-06-02', 'mdiehn@ning.com');

19. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('514035765', 'Kris', 'Jiggle', 'kjigglei', 'jORR6Wha', '9163338530', '1995-12-03', 'kjigglei@chronoengine.com');

20. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('365968732', 'Fara', 'Karel', 'fkarelj', 'OuE9jVcngNNW', '7013536910', '1996-06-08', 'fkarelj@thetimes.co.uk');

21. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('365968732', 'Claretta', 'Alam', 'calamk', 'rNiGPb38G4OA', '1509825770', '1997-05-17', 'calamk@cpanel.net');

22. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('558773369', 'Ellissa', 'Scawn', 'escawnl', 'BPdnifw', '8179939284', '2001-09-19', 'escawnl@gizmodo.com');

23. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('898481494', 'Mina', 'Houston', 'mhoustonm', 'uuhkuWORgw', '4998600650', '1994-12-05', 'mhoustonm@123-reg.co.uk');

24. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('639038304', 'Ulrike', 'Brade', 'ubraden', 'RWS1w5o9ld76', '4262153674', '2005-02-12', 'ubraden@tinypic.com');

25. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('370674578', 'Selle', 'McGill', 'smcgillo', 'DnISuA', '1279968728', '1992-01-06', 'smcgillo@pcworld.com');

26. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('660114793', 'Dalila', 'Woolsey', 'dwoolseyp', 'LU50Vh', '7787598231', '1991-10-19', 'dwoolseyp@freewebs.com');

27. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('703022573', 'Burke', 'Coton', 'bcotonq', 'MpLXgBkrR8f', '6213221321', '1996-03-08', 'bcotonq@last.fm');

28. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('218443429', 'Hy', 'Itzkovici', 'hitzkovicir', 'UZD8u9zg', '1971164585', '2001-10-14', 'hitzkovicir@scientificamerican.com');

29. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('135801141', 'Sheppard', 'Hulcoop', 'shulcoops', 'RO5zbu0xVZ99', '5425365964', '1999-02-04', 'shulcoops@wordpress.com');

30. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('638924880', 'Farleigh', 'Vedeshkin', 'fvedeshkint', 'YRe2Ak', '9559181506', '1995-12-31', 'fvedeshkint@forbes.com');

31. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('790778459', 'Babbie', 'Worthing', 'bworthingu', 'Ysg0Dg', '7833004518', '1998-04-04', 'bworthingu@cocolog-nifty.com');

32. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('264413513', 'Link', 'Behagg', 'lbehaggv', 'p7eppb6AR', '1244428763', '1995-04-05', 'lbehaggv@prlog.org');

33. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('251817688', 'Karilynn', 'Swaffer', 'kswafferw', 'LGSyo13', '6492414803', '1985-02-21', 'kswafferw@redcross.org');

34. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('290106497', 'Zsazsa', 'Hambricht', 'zhambrichtx', 'FJjZbiF4', '3118837065', '1992-02-25', 'zhambrichtx@shinystat.com');

35. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('188450099', 'Romola', 'Madders', 'rmaddersy', 'TgEi3l2q', '8332362164', '1998-09-19', 'rmaddersy@ocn.ne.jp');

36. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumberr, dateOfBirth, email) VALUES ('193726581', 'Madeline', 'Sheldrake', 'msheldrakez', 'MltJSwelGqyl', '7946578531', '1994-02-14', 'msheldrakez@google.com.br');


```
37.INSERT INTO employee (essn, firstname, lastname, username, password,  
    phoneNumber, dateOfBirth, email) VALUES ('631806149', 'Melania', 'Danielou',  
    'mdanielou10', 'FKIhtH', '8783112472', '2002-08-16', 'mdanielou10@yelp.com');  
38.INSERT INTO employee (essn, firstname, lastname, username, password,  
    phoneNumber, dateOfBirth, email) VALUES ('810763928', 'Alica', 'Stormouth',  
    'astormouth11', 'AivSkf', '9014987891', '1990-01-09',  
    'astormouth11@artisteer.com');  
39.INSERT INTO employee (essn, firstname, lastname, username, password,  
    phoneNumber, dateOfBirth, email) VALUES ('207955916', 'Margy', 'Streatfeild',  
    'mstreatfeild12', 'kQMT5KJdq1UZ', '8976070347', '1989-12-31',  
    'mstreatfeild12@bizjournals.com');
```

40. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('814566557', 'Nancey', 'Dunniom', 'ndunniom13', 'NoKODBjdEZi', '8549340564', '1983-08-07', 'ndunniom13@delicious.com');
41. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('683377572', 'Janna', 'Rapp', 'jrapp0', 'THkYFsF', '8425199291', '1984-01-09', 'jrapp0@mtv.com');
42. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('289493574', 'Agosto', 'Grosvener', 'agrosvener1', 'ZEnuEJlb5lrm', '7849738318', '1984-12-24', 'agrosvener1@narod.ru');
43. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('282761427', 'Caprice', 'Killingworth', 'ckillingworth2', 'HoONQ4BV00G', '3907870987', '1995-10-09', 'ckillingworth2@wiley.com');
44. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('445108868', 'Linda', 'Seldner', 'lseldner3', 'nLnTfK04', '8397342190', '2004-07-22', 'lseldner3@cafepress.com');
45. INSERT INTO employee (essn, firstname, lastname, username, password, phoneNumber, dateOfBirth, email) VALUES ('680030878', 'Lock', 'Ternott', 'lternott4', '2ttFSbnCKuLI', '8975790002', '1984-09-17', 'lternott4@yahoo.com');

Record Keeper (Alaan) (DONE)

1. INSERT INTO record_keeper (essn) VALUES(282949625);
2. INSERT INTO record_keeper (essn) VALUES(882773628);
3. INSERT INTO record_keeper (essn) VALUES(349355959);
4. INSERT INTO record_keeper (essn) VALUES(428526280);
5. INSERT INTO record_keeper (essn) VALUES(564196262);

Lab Assistant (Alaan) (done)

1. INSERT INTO lab_assistant (essn, reportId) VALUES(633693251, 10001);
2. INSERT INTO lab_assistant (essn, reportId) VALUES(535875897, 10002);
3. INSERT INTO lab_assistant (essn, reportId) VALUES(613843230, 10003);
4. INSERT INTO lab_assistant (essn, reportId) VALUES(299453984, 10004);
5. INSERT INTO lab_assistant (essn, reportId) VALUES(676284134, 10005);

Administrator (Sam) (Done)

1. INSERT INTO administrators (essn) VALUES(124534627);
2. INSERT INTO administrators (essn) VALUES(692059235);
3. INSERT INTO administrators (essn) VALUES(550110669);
4. INSERT INTO administrators (essn) VALUES(873496451);
5. INSERT INTO administrators (essn) VALUES(122999126);

Receptionist (Solomon) (done)

1. INSERT INTO receptionist (essn, departmentID, appointmentID) VALUES ('682567919', 1, 10003);
2. INSERT INTO receptionist (essn, departmentID, appointmentID) VALUES (858980174, 2, 10001);
3. INSERT INTO receptionist (essn, departmentID, appointmentID) VALUES (853398644, 3, 10002);
4. INSERT INTO receptionist (essn, departmentID, appointmentID) VALUES (514035765, 4, 10004);
5. INSERT INTO receptionist (essn, departmentID, appointmentID) VALUES (365968732, 5, 10005);

Doctor (Solomon) (Done)

1. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (365968732, 1, 1, 10039);
2. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (558773369, 1, 2, 10005);
3. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (898481494, 2, 6, 10013);
4. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (639038304, 2, 8, 10022);
5. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (370674578, 3, 11, 10005);
6. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (660114793, 3, 13, 10035);
7. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (703022573, 4, 16, 10042);
8. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (218443429, 4, 17, 10051);
9. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (135801141, 5, 24, 10067);
10. INSERT INTO doctor (essn, departmentID, roomID, reportID) VALUES (638924880, 5, 25, 10078);

Ward Boy (Ajay) (done)

1. INSERT INTO ward_boy (essn, departmentID, roomID, reportID) VALUES (790778459, 1, 8, 10051);
2. INSERT INTO ward_boy (essn, departmentID, roomID, reportID) VALUES (264413513, 2, 11, 10042);
3. INSERT INTO ward_boy (essn, departmentID, roomID, reportID) VALUES (251817688, 3, 13, 10022);

4. INSERT INTO ward_boy (essn, departmentID, roomID, reportID) VALUES (290106497, 4, 24, 10013);
5. INSERT INTO ward_boy (essn, departmentID, roomID, reportID) VALUES (188450099, 5, 25, 10067);

Billing Specialist (Ajay) (done)

1. INSERT INTO billing_specialist (essn, billingInfo) VALUES (193726581, 'Cash');
2. INSERT INTO billing_specialist (essn, billingInfo) VALUES (631806149, 'Credit');
3. INSERT INTO billing_specialist (essn, billingInfo) VALUES (810763928, 'Insurance');
4. INSERT INTO billing_specialist (essn, billingInfo) VALUES (207955916, 'Insurance');
5. INSERT INTO billing_specialist (essn, billingInfo) VALUES (814566557, 'Credit');

Nurse (Sam) (done)

1. INSERT INTO nurse (essn, departmentID, roomID, reportID) VALUES (683377572, 1, 2, 10035);
2. INSERT INTO nurse (essn, departmentID, roomID, reportID) VALUES (289493574, 1, 2, 10078);
3. INSERT INTO nurse (essn, departmentID, roomID, reportID) VALUES (282761427, 1, 2, 10051);
4. INSERT INTO nurse (essn, departmentID, roomID, reportID) VALUES (445108868, 1, 2, 10067);
5. INSERT INTO nurse (essn, departmentID, roomID, reportID) VALUES (680030878, 1, 2, 10039);

Department (Solomon) (Done)

1. INSERT INTO department (departmentID, departmentName) VALUES (1, 'Cardiology');
2. INSERT INTO department (departmentID, departmentName) VALUES (2, 'Oncology');
3. INSERT INTO department (departmentID, departmentName) VALUES (3, 'Neurology');
4. INSERT INTO department (departmentID, departmentName) VALUES (4, 'Pediatrics');
5. INSERT INTO department (departmentID, departmentName) VALUES (5, 'Internal Medicine');

Room (Solomon) (done)

1. INSERT INTO room (roomID, departmentID, roomNo) VALUES (1, 1, 11);
2. INSERT INTO room (roomID, departmentID, roomNo) VALUES (2, 1, 12);
3. INSERT INTO room (roomID, departmentID, roomNo) VALUES (3, 1, 13);

4. INSERT INTO room (roomID, departmentID, roomNo) VALUES (4, 1, 14);
5. INSERT INTO room (roomID, departmentID, roomNo) VALUES (5, 1, 15);
6. INSERT INTO room (roomID, departmentID, roomNo) VALUES (6, 2, 21);
7. INSERT INTO room (roomID, departmentID, roomNo) VALUES (7, 2, 22);
8. INSERT INTO room (roomID, departmentID, roomNo) VALUES (8, 2, 23);
9. INSERT INTO room (roomID, departmentID, roomNo) VALUES (9, 2, 24);
10. INSERT INTO room (roomID, departmentID, roomNo) VALUES (10, 2, 25);
11. INSERT INTO room (roomID, departmentID, roomNo) VALUES (11, 3, 31);
12. INSERT INTO room (roomID, departmentID, roomNo) VALUES (12, 3, 32);
13. INSERT INTO room (roomID, departmentID, roomNo) VALUES (13, 3, 33);
14. INSERT INTO room (roomID, departmentID, roomNo) VALUES (14, 3, 34);
15. INSERT INTO room (roomID, departmentID, roomNo) VALUES (15, 3, 35);
16. INSERT INTO room (roomID, departmentID, roomNo) VALUES (16, 4, 41);
17. INSERT INTO room (roomID, departmentID, roomNo) VALUES (17, 4, 42);
18. INSERT INTO room (roomID, departmentID, roomNo) VALUES (18, 4, 43);
19. INSERT INTO room (roomID, departmentID, roomNo) VALUES (19, 4, 44);
20. INSERT INTO room (roomID, departmentID, roomNo) VALUES (20, 4, 45);
21. INSERT INTO room (roomID, departmentID, roomNo) VALUES (21, 5, 51);
22. INSERT INTO room (roomID, departmentID, roomNo) VALUES (22, 5, 52);
23. INSERT INTO room (roomID, departmentID, roomNo) VALUES (23, 5, 53);
24. INSERT INTO room (roomID, departmentID, roomNo) VALUES (24, 5, 54);
25. INSERT INTO room (roomID, departmentID, roomNo) VALUES (25, 5, 55);

Patient (Ved) (done)

1. INSERT INTO patient (roomID, patientID, username, password, phoneNumber, address, pharmacy, reportID, billingInfo, appointmentID, dateOfBirth, email, conditionID) VALUES(1, 11220, ddecopeman0, diioFP, 6071053878, 98227 Blue Bill Park Alley, CVS, 10035, insurance, 15322, 02-06-1965, mlyddy0@tumblr.com, 020)
2. INSERT INTO patient (roomID, patientID, username, password, phoneNumber, address, pharmacy, reportID, billingInfo, appointmentID, dateOfBirth, email, conditionID) VALUES(2, 11221, jseabrook1, PUZrs2bd, 247 458 1076, 5 Bultman Drive, Walgreens, 10042, credit card, 09387, 05-23-1985, pbourgeois1@mtv.com, 021)
3. INSERT INTO patient (roomID, patientID, username, password, phoneNumber, address, pharmacy, reportID, billingInfo, appointmentID, dateOfBirth, email, conditionID) VALUES(3, 11222, eokerin2, dIVLJdZ3V, 310 602 5694, 9 Fisk Pass, Walmart, 10022, cash, 22134, 10-15-1950, sheyworth2@youtu.be, 022)
4. INSERT INTO patient (roomID, patientID, username, password, phoneNumber, address, pharmacy, reportID, billingInfo, appointmentID, dateOfBirth, email,

- conditionId) VALUES(4, 11223, gdiddams3, rUKSEPXIrfjUF, 209 551 6469, 1 Buena Vista Place, CVS, 10067, insurance, 00042, 03-12-1958, 023)
5. INSERT INTO patient (roomId, patientId, username, password, phoneNumber, address, pharmacy, reportId, billingInfo, appointmentId, dateOfBirth, email, conditionId) VALUES(5, 11224, ccossum4, vg1o6AOIZkQ, 694 345 9074, 283 Welch Park, Kroger, 10051, insurance, 50392, 03-24-1974, mdowdney4@google.co.uk, 024)
 6. INSERT INTO patient (roomId, patientId, username, password, phoneNumber, address, pharmacy, reportId, billingInfo, appointmentId, dateOfBirth, email, conditionId) VALUES(5, 11225, mvanvelde5, v7FNr1S5bJ, 719 882 6004, 251 Cardinal Plaza, CVS, 10078, insurance, 00378, 10-16-1988, tonolan5@washingtton.edu, 025)
 7. INSERT INTO patient (roomId, patientId, username, password, phoneNumber, address, pharmacy, reportId, billingInfo, appointmentId, dateOfBirth, email, conditionId) VALUES(6, 11226, cfogt6, MWp49LJa, 414 252 7685, 44 Mayer Street, Walgreens, 10005, credit card, 04932, 05-03-1976, sdicte6@marketwatch.com, 022)
 8. INSERT INTO patient (roomId, patientId, username, password, phoneNumber, address, pharmacy, reportId, billingInfo, appointmentId, dateOfBirth, email, conditionId) VALUES(7, 11227, rsatford7, GDyaSjz, 600 817 6810, 46067 Claremont Crossing, Walgreens, 10042, insurance, 12321, 11-09-1972, mgillet7@tamu.edu, 021)
 9. INSERT INTO patient (roomId, patientId, username, password, phoneNumber, address, pharmacy, reportId, billingInfo, appointmentId, dateOfBirth, email, conditionId) VALUES(9, 11228, gcadge8, Z3bOJ0JwXO, 787 154 8061, 734 Brentwood Road, CVS, 10013, credit card, 00320, 08-09-1984, ckearn8@addtoany.com, 025)
 10. INSERT INTO patient (roomId, patientId, username, password, phoneNumber, address, pharmacy, reportId, billingInfo, appointmentId, dateOfBirth, email, conditionId) VALUES(10, 11229, thorburgh9, inmmleY, 993 406 9763, 78799 Cardinal Junction, Walmart, 10091, insurance, 23134, 06-30-2000, atellenbrok9@tripod.com, 022)

Report (Alaan) (done)

1. INSERT INTO report (reportId, labResults, medicineId) VALUES (10042, 'pending', 0093421);
2. INSERT INTO report (reportId, labResults, medicineId) VALUES(10035, pending, 9384501);
3. INSERT INTO report (reportId, labResults, medicineId) VALUES(10022, in review, 6843910);

4. INSERT INTO report (reportId, labResults, medicineId) VALUES(10067, 'in review', 0195839);
5. INSERT INTO report (reportId, labResults, medicineId) VALUES(10078, 'reviewed', 7321936);
6. INSERT INTO report (reportId, labResults, medicineId) VALUES(10091, reviewed, 0195839);
7. INSERT INTO report (reportId, labResults, medicineId) VALUES(10005, pending, 7321936);
8. INSERT INTO report (reportId, labResults, medicineId) VALUES(10039, in review, 0195839);
9. INSERT INTO report (reportId, labResults, medicineId) VALUES(10051, reviewed, 9384501);
10. INSERT INTO report (reportId, labResults, medicineId) VALUES(10013, reviewed, 0093421);

Medicine (Sam) (DONE)

1. INSERT INTO medicine (medicineId, reportId, medicineName) VALUES (0093421, 10001, 'Ibuprofen');
2. INSERT INTO medicine (medicineId, reportId, medicineName) VALUES (9384501, 10002, 'Amoxicillin');
3. INSERT INTO medicine (medicineId, reportId, medicineName) VALUES (6843910, 10003, 'Tylenol');
4. INSERT INTO medicine (medicineId, reportId, medicineName) VALUES (0195839, 10004, 'Zyrtec');
5. INSERT INTO medicine (medicineId, reportId, medicineName) VALUES (7321936, 10005, 'Xanax');

Appointment (Alaan) (done)

1. INSERT INTO appointment (appointmentId, time, date) VALUES (00320, '9:30', '2001-01-01');
2. INSERT INTO appointment (appointmentId, time, date) VALUES (12321, '8:00', '2001-01-01');
3. INSERT INTO appointment (appointmentId, time, date) VALUES(15322, '1:00', '2001-01-01');
4. INSERT INTO appointment (appointmentId, time, date) VALUES(04932, '12:30', '2001-01-01');
5. INSERT INTO appointment (appointmentId, time, date) VALUES(23134, 10:00, 2001-01-01);
6. INSERT INTO appointment (appointmentId, time, date) VALUES(50392, 1:30, 2001-01-01);

7. INSERT INTO appointment (appointmentId, time, date) VALUES(00042, 11:30, 2001-01-01);
8. INSERT INTO appointment (appointmentId, time, date) VALUES(22134, 11:00, 2001-01-01);
9. INSERT INTO appointment (appointmentId, time, date) VALUES(00378, 7:00, 2001-01-01);
10. INSERT INTO appointment (appointmentId, time, date) VALUES(09387, 8:30, 2001-01-01);

Medical Condition (Ved) (Done)

1. INSERT INTO medical_condition (conditionId, conditionName) VALUES (020, 'Covid-19');
2. INSERT INTO medical_condition (conditionId, conditionName) VALUES(021, 'Heart attack/stroke');
3. INSERT INTO medical_condition (conditionId, conditionName) VALUES(022, 'Alzheimers/Dementia');
4. INSERT INTO medical_condition (conditionId, conditionName) VALUES(023, 'Post-operation');
5. INSERT INTO medical_condition (conditionId, conditionName) VALUES(024, 'Pneumonia');
6. INSERT INTO medical_condition (conditionId, conditionName) VALUES(025, 'transplant')

Part D

Views

1. CREATE VIEW patientInfoView AS SELECT roomId, patientId, phoneNumber, address, pharmacy, appointmentId, dateOfBirth, email FROM patient;

```
mysql> select * from patientinfoview;
```

roomId	patientId	phoneNumber	address	pharmacy	appointmentId	dateOfBirth	email
1	11220	6071053878	98227 Blue Bill Park Alley	CVS	15322	02-06-1965	mlyddy0@tumblr.com
2	11221	2474581076	5 Bultman Drive	Walgreens	9387	05-23-1985	pbourgeois1@mtv.com
3	11222	3106025694	9 Fisk Pass	Walmart	22134	10-15-1950	sheyworth2@youtu.be
4	11223	2095516469	1 Buena Vista Place	CVS	42	03-12-1958	rubiks@cube.com
5	11224	6943459074	283 Welch Park	Kroger	50392	03-24-1974	mdowdney4@google.co.uk
5	11225	7198826004	251 Cardinal Plaza	CVS	378	10-16-1988	tonolan5@washington.edu
6	11226	4142527685	44 Mayer Street	Walgreens	4932	05-03-1976	sdicte6@marketwatch.com
7	11227	6008176810	46067 Claremont Crossing	Walgreens	12321	11-09-1972	mgillet7@tamu.edu
9	11228	7871548061	734 Brentwood Road	CVS	320	08-09-1984	ckearn8@addtoany.com
10	11229	9934069763	78799 Cardinal Junction	Walmart	23134	06-30-2000	atellenbrok9@tripod.com

a. 10 rows in set (0.00 sec)

2. CREATE VIEW employeeInfoView AS SELECT firstname, lastname, phoneNumber, dateOfBirth, email FROM employee;


```
mysql> select * from employeeinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email
Emmie	Macknish	4045385135	1984-07-21	emacknishe@cornell.edu
Kristin	Pareman	5739085649	1990-08-27	kparemana@over-blog.com
Sheppard	Hulcoop	5425365964	1999-02-04	shulcoops@wordpress.com
Romola	Madders	8332362164	1998-09-19	rmaddersy@ocn.ne.jp
Madeline	Sheldrake	7946578531	1994-02-14	msheldrakez@google.com.br
Margy	Streatfeild	8976070347	1989-12-31	mstreatfeild12@bizjournals.com
Hy	Itzkovici	1971164585	2001-10-14	hitzkovicir@scientificamerican.com
Karilynn	Swaffer	6492414803	1985-02-21	kswafferw@redcross.org
Link	Behagg	1244428763	1995-04-05	lbehaggv@prlog.org
Caprice	Killingworth	3907870987	1995-10-09	ckillingworth2@wiley.com
Germaine	Henkmann	1361971016	1994-04-02	ghenkmann0@dot.gov
Agosto	Grosvener	7849738318	1984-12-24	agrosvener1@narod.ru
Zsazsa	Hambricht	3118837065	1992-02-25	zhambrightx@shinystat.com
Vivienne	Braisher	7035574251	1987-12-06	vbraisher8@webnode.com
Roldan	Goldby	1395081395	1999-09-22	rgoldby2@icio.us
Fara	Karel	7013536910	1996-06-08	fkarelj@thetimes.co.uk
Selle	McGill	1279968728	1992-01-06	smcgillo@pcworld.com
Anna-diane	Papen	3575782604	1989-02-27	apapen3@taobao.com
Linda	Seldner	8397342190	2004-07-22	lseldner3@cafepress.com
Kris	Jiggle	9163338530	1995-12-03	kjigglei@chronoengine.com
Steffen	Dufour	5763541812	1992-12-28	sdufour6@cnbc.com
Geneva	Barck	2493917385	1990-08-14	gbarckc@fastcompany.com
Ellissa	Scawn	8179939284	2001-09-19	escawnl@gizmodo.com
Fannie	Slinn	8573585817	2000-01-05	fslinn4@va.gov
Lavinia	Batcock	4858064292	1992-12-28	lbatcock7@ca.gov
Melania	Danielou	8783112472	2002-08-16	mdanielou10@yelp.com
Hurlee	Ruckman	7749725243	1984-01-19	hruckman5@drupal.org
Farleigh	Vedeshkin	9559181506	1995-12-31	fvedeshkin@forbes.com
Ulrike	Brade	4262153674	2005-02-12	ubraden@tinypic.com
Dalila	Woolsey	7787598231	1991-10-19	dwoolseyp@freewebs.com
Leann	Boller	4047735472	1985-09-15	lboller9@free.fr
Lock	Ternott	8975790002	1984-09-17	lternott4@yahoo.com
Tildi	Brasher	4152061506	1995-04-28	tbrasherf@answers.com
Janna	Rapp	8425199291	1984-01-09	jrapp0@mtv.com
Demetri	Rafter	8091888486	1996-09-08	drafterb@fda.gov
Burke	Coton	6213221321	1996-03-08	bcotonq@last.fm
Babbie	Worthing	7833004518	1998-04-04	bworthingu@cocolog-nifty.com
Alica	Stormouth	9014987891	1990-01-09	astormouth11@artisteer.com
Nancey	Dunniom	8549340564	1983-08-07	ndunniom13@delicious.com
Myrta	Diehn	9491958119	1983-06-02	mdiehn@ning.com
Esta	Vaz	3054496142	2000-08-07	evazg@naver.com
Celine	Dorsett	6697868966	1991-12-14	cdorsettd@hhs.gov
Shana	Pickford	5166413759	1988-08-18	spickford1@nyu.edu
Mina	Houston	4998600650	1994-12-05	mhoustonm@123-reg.co.uk

44 rows in set (0.00 sec)

a.

3. **CREATE** VIEW nurseInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email, roomId, departmentId FROM nurse, employee WHERE nurse.essn=employee.essn;

```
mysql> select * from nurseinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email	roomId	departmentId
Caprice	Killingworth	3907870987	1995-10-09	ckillingworth2@wiley.com	2	1
Agosto	Grosvener	7849738318	1984-12-24	agrosvener1@narod.ru	2	1
Linda	Seldner	8397342190	2004-07-22	lseldner3@cafepress.com	2	1
Lock	Ternott	8975790002	1984-09-17	lternott4@yahoo.com	2	1
Janna	Rapp	8425199291	1984-01-09	jrapp0@mtv.com	2	1

5 rows in set (0.00 sec)

a.

4. **CREATE** VIEW receptionistInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email, departmentId FROM receptionist, employee WHERE receptionist.essn=employee.essn;

```
mysql> select * from receptionistinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email	departmentId
Tildi	Brasher	4152061506	1995-04-28	tbrasherf@answers.com	1
Esta	Vaz	3054496142	2000-08-07	evazg@naver.com	2
Myrta	Diehn	9491958119	1983-06-02	mdiehn@ning.com	3
Kris	Jiggle	9163338530	1995-12-03	kjigglei@chronoengine.com	4
Fara	Karel	7013536910	1996-06-08	fkarelj@thetimes.co.uk	5

```
5 rows in set (0.00 sec)
```

a.

5. **CREATE** VIEW administratorInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email FROM administrators, employee WHERE administrators.essn=employee.essn;

```
mysql> select * from administratorinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email
Emmie	Macknish	4045385135	1984-07-21	emacknishe@cornell.edu
Kristin	Pareman	5739085649	1990-08-27	kparemana@over-blog.com
Geneva	Barck	2493917385	1990-08-14	gbarckc@fastcompany.com
Demetri	Rafter	8091888486	1996-09-08	drafterb@fda.gov
Celine	Dorsett	6697868966	1991-12-14	cdorsettd@hhs.gov

```
5 rows in set (0.00 sec)
```

a.

6. **CREATE** VIEW recordKeeperInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email FROM record_keeper, employee WHERE record_keeper.essn=employee.essn;

```
mysql> select * from recordkeeperinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email
Germaine	Henkmann	1361971016	1994-04-02	ghenkmann0@dot.gov
Roldan	Goldby	1395081395	1999-09-22	rgoldby2@icio.us
Anna-diane	Papen	3575782604	1989-02-27	apapen3@taobao.com
Fannie	Slinn	8573585817	2000-01-05	fslinn4@va.gov
Shana	Pickford	5166413759	1988-08-18	spickford1@nyu.edu

```
5 rows in set (0.00 sec)
```

a.

7. **CREATE** VIEW doctorInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email, departmentId, roomId FROM doctor, employee WHERE doctor.essn=employee.essn;

```
mysql> select * from doctorinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email	departmentId	roomId
Sheppard	Hulcoop	5425365964	1999-02-04	shulcoops@wordpress.com	5	24
Hy	Itzkovici	1971164585	2001-10-14	hitzkovicir@scientificamerican.com	4	17
Fara	Karel	7013536910	1996-06-08	fkarelj@thetimes.co.uk	1	1
Selle	McGill	1279968728	1992-01-06	smcgillo@pcworld.com	3	11
Ellissa	Scawn	8179939284	2001-09-19	escawnl@gizmodo.com	1	2
Farleigh	Vedeshkin	9559181506	1995-12-31	fvedeshkint@forbes.com	5	25
Ulrike	Brade	4262153674	2005-02-12	ubraden@tinypic.com	2	8
Dalila	Woolsey	7787598231	1991-10-19	dwoolsey@freewebs.com	3	13
Burke	Coton	6213221321	1996-03-08	bcotonq@last.fm	4	16
Mina	Houston	4998600650	1994-12-05	mhoustonm@123-reg.co.uk	2	6

a. 10 rows in set (0.01 sec)

8. **CREATE** VIEW wardBoyInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email, departmentId, roomId FROM word_boy, employee WHERE word_boy.essn=employee.essn;

```
mysql> select * from wardboyinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email	departmentId	roomId
Romola	Madders	8332362164	1998-09-19	rmaddersy@ocn.ne.jp	5	25
Karilynn	Swaffer	6492414803	1985-02-21	kswafferw@redcross.org	3	13
Link	Behagg	1244428763	1995-04-05	lbehaggv@prlog.org	2	11
Zsazsa	Hambricht	3118837065	1992-02-25	zhambrichtx@shinystat.com	4	24
Babbie	Worthing	7833004518	1998-04-04	bworthingu@cocolog-nifty.com	1	8

5 rows in set (0.00 sec)

a.

9. **CREATE** VIEW labAssistantInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email FROM lab_assistant, employee WHERE lab_assistant.essn=employee.essn;

```
mysql> select * from labassistantinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email
Leann	Boller	4047735472	1985-09-15	lboller9@free.fr
Hurlee	Ruckman	7749725243	1984-01-19	hruckman5@drupal.org
Steffen	Dufour	5763541812	1992-12-28	sdufour6@cnbc.com
Lavinia	Batcock	4858064292	1992-12-28	lbatcock7@ca.gov
Vivienne	Braisher	7035574251	1987-12-06	vbraisher8@webnode.com

5 rows in set (0.00 sec)

a.

10. **CREATE** VIEW billingSpecialistInfoView AS SELECT DISTINCT firstname, lastname, phoneNumber, dateOfBirth, email FROM billing_specialist, employee WHERE billing_specialist.essn = employee.essn;

```
mysql> select * from billingspecialistinfoview;
```

firstname	lastname	phoneNumber	dateOfBirth	email
Madeline	Sheldrake	7946578531	1994-02-14	msheldrakez@google.com.br
Margy	Streatfeild	8976070347	1989-12-31	mstreatfeild12@bizjournals.com
Melania	Danielou	8783112472	2002-08-16	mdanielou10@yelp.com
Alica	Stormouth	9014987891	1990-01-09	astormouth11@artisteer.com
Nancey	Dunniom	8549340564	1983-08-07	ndunniom13@delicious.com

5 rows in set (0.01 sec)

a.