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CREATE TABLE doctor (
  id varchar(5),
  name varchar(25),
  age int,
  department varchar(25),
  license varchar(10),
  experience int,
  CONSTRAINT doctor_pkey PRIMARY KEY (id)
);

CREATE TABLE nurse (
  id varchar(15),
  name varchar(30),
  experience int,
  CONSTRAINT nurse_pkey PRIMARY KEY (id)
);

CREATE TABLE treatment (
  id varchar(15),
  type varchar(30),
  Tdate date,
  duration int,
  CONSTRAINT treatment_pkey PRIMARY KEY (id)
);

CREATE TABLE prescription (
  id varchar(10),
  CONSTRAINT "prescription_pkey" PRIMARY KEY (id)
);

CREATE TABLE medicinename (
  prescription_id varchar(15),
  medicine_name varchar(30),
  CONSTRAINT "medicinename_pkey" PRIMARY KEY (prescription_id,medicine_name),
  CONSTRAINT medicinename_fk FOREIGN KEY (prescription_id) REFERENCES
"prescription"(id)
);

CREATE TABLE patient (
  id varchar(5),
  name varchar(30),
  age int,
  prescription_id varchar(30),
  chronicdiseases_id varchar(30),
  adress varchar(100),
  illness varchar(30),
  CONSTRAINT patient_pkey PRIMARY KEY (id),
  CONSTRAINT patient_fk FOREIGN KEY (prescription_id)
REFERENCES prescription (id)
);

CREATE TABLE chronicdiseases (
  patient_id varchar(10),

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chronicdiseases_name varchar(30),
CONSTRAINT "chronicdiseases_pkey" PRIMARY KEY (patient_id,chronicdiseases_name),
CONSTRAINT chronicdiseases_fk FOREIGN KEY (patient_id) REFERENCES "patient"(id)
);

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CREATE TABLE appointment (
  id varchar(5),
  time varchar(20),
  department varchar(20),
  Adate date,
  patient_id varchar(15),
  CONSTRAINT "appointment_pkey" PRIMARY KEY (id),
  CONSTRAINT appointment_fk FOREIGN KEY (patient_id)
  REFERENCES "patient"(id)
);

```

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CREATE TABLE have (
  patient_id varchar(10),
  doctor_id varchar(10),
  CONSTRAINT "have_pkey" PRIMARY KEY (patient_id,doctor_id),
  CONSTRAINT have_fk FOREIGN KEY (patient_id) REFERENCES
  "patient"(id),
  CONSTRAINT have_fk_2 FOREIGN KEY (doctor_id) REFERENCES
  "doctor"(id)
);

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CREATE TABLE get (
  treatment_id varchar(15),
  patient_id varchar(15),
  nurse_id varchar(15),
  CONSTRAINT get_pkey PRIMARY KEY (treatment_id, patient_id, nurse_id),
  CONSTRAINT get_fk FOREIGN KEY (treatment_id) REFERENCES "treatment"(id),
  CONSTRAINT get_fk2 FOREIGN KEY (patient_id) REFERENCES "patient"(id),
  CONSTRAINT get_fk3 FOREIGN KEY (nurse_id) REFERENCES "nurse"(id)
);

```

```

insert into "nurse"
values (1,'Jocelyn Davies',13),
(2,'Harmony Doherty',12),
(3,'Elijah Wilton',32),
(4,'Chester Eagle',18),
(5,'George Thomas',6),
(6,'Diane Hamilton',12),
(7,'Rocco Warren',6),
(8,'Ronald Gaynor',33),
(9,'Rylee Kelly',2),
(10,'Paige Anderson',19);

```

```

insert into prescription
values (22),
(23),
(24),

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(25),  
(26),  
(27),  
(28),  
(29),  
(30),  
(31),  
(32);
```

```
insert into medicinename
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```
values (22,'Abacavir'),  
(23,'Cefixime'),  
(23,'Atenolol'),  
(23,'Calcium'),  
(24,'Daunorubicin'),  
(25,'Eltrombopag'),  
(26,'Fludarabine'),  
(26,'Erlotinib'),  
(27,'Gemcitabine'),  
(28,'Granisetron'),  
(28,'Imatinib'),  
(29,'Hydroxyurea'),  
(30,'Isotretinoin'),  
(31,'Labetalol'),  
(32,'Megestrol Acetate'),  
(32,'Nevirapine');
```

```
insert into patient
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```
values (43,'Leroy Craig',29,22,33,'112 Eagle Nest Dr Nicholasville,  
Kentucky(KY)','Polymyositis'),  
(44,'Matt Dixon',67,22,33,'3910 96th Ave SE Mercer Island, Washington(WA)','Alopecia  
Areata'),  
(45,'Tony Funnell',59,22,33,'5042 Stonecrop Cir Castle Rock, Colorado(CO)','Night  
Blindness'),  
(46,'Meredith Holt',21,22,33,'4412 E 77th St N Valley Center,  
Kansas(KS)','Botulism'),  
(47,'Robyn Ellery',71,22,33,'90 College St Hustonville, Kentucky(KY)','Influenza'),  
(48,'Josh Eyres',29,22,33,'10 Briarwood Cir Bridgewater,  
Massachusetts(MA)','Actinomycosis'),  
(49,'Callie Rowlands',73,22,33,'Po Box 518 Waterville,  
Washington(WA)','Aspergillosis'),  
(50,'Liam Egerton',42,22,33,'655 Collingwood Ct Versailles, Indiana(IN)','AIDS'),  
(51,'Melody Bradshaw',46,22,33,'402 W Elm St Scranton, Kansas(KS)','Sarcomas'),  
(52,'Carrie Miller',76,22,33,'K Moorpark, California(CA)','Carcinomas');
```

```
insert into chronicdiseases
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```
values (43,'Arthritis'),  
(44,'Stroke'),  
(45,'ALS'),  
(46,'Cancer'),  
(47,'RSD'),  
(47,'Tuberculosis'),  
(48,'Cystic Fibrosis'),  
(49,'Diabetes'),  
(49,'Narcolepsy'),
```

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(49, 'Mental Illness'),  
(50, 'Obesity'),  
(51, 'Osteoporosis'),  
(51, 'Endometriosis'),  
(52, 'Heart Disease');
```

```
insert into appointment  
values (53, '13:24', 'Cardiology', '2022-05-11', 43),  
(54, '15:20', 'Chaplaincy', '2022-05-27', 44),  
(55, '16:24', 'Gastroenterology', '2022-06-07', 45),  
(56, '11:00', 'General Surgery', '2022-07-11', 46),  
(57, '10:00', 'Gynecology', '2022-08-11', 47),  
(58, '15:45', 'Neurology', '2022-08-31', 48),  
(59, '12:50', 'Oncology', '2022-09-30', 49),  
(60, '14:25', 'Orthopaedics', '2022-10-20', 50),  
(61, '16:15', 'Physiotherapy', '2022-12-02', 51),  
(62, '10:35', 'Radiology', '2022-12-21', 52);
```

```
insert into treatment  
values (63, 'Targeted Therapies', '2022-04-25', 2),  
(64, 'Chemotherapy', '2022-05-11', 3),  
(65, 'Surgery', '2022-06-14', 4),  
(66, 'Radiation Therapies', '2022-06-15', 5),  
(67, 'Biological Therapy', '2022-07-25', 1),  
(68, 'Hormonal Therapy', '2022-08-29', 6),  
(69, 'Immunotherapy', '2022-04-25', 8),  
(70, 'Stem Cell', '2022-10-24', 4),  
(71, 'Bone Marrow Transplant', '2022-11-08', 6),  
(72, 'Hyperthermia', '2022-11-16', 8);
```

```
insert into doctor  
values (73, 'Rachael Richards', 41, 'Cardiology', 'CCT', 20),  
(74, 'Bob Downing', 33, 'Chaplaincy', 'ST2', 32),  
(75, 'Peyton Jackson', 28, 'Gastroenterology', 'CT1', 5),  
(76, 'Kamila Trent', 38, 'General Surgery', 'CT2', 12),  
(77, 'Sebastian Andersson', 31, 'Gynecology', 'CT2', 11),  
(78, 'Sienna Addis', 45, 'Neurology', 'ST1', 18),  
(79, 'Daniel Bryant', 30, 'Oncology', 'CT1', 7),  
(80, 'Eryn Plant', 37, 'Orthopaedics', 'CT2', 13),  
(81, 'Danny Glynn', 30, 'Physiotherapy', 'CT1', 7),  
(82, 'Luke Gregory', 34, 'Radiology', 'CT2', 11);
```

```
insert into have  
values (43, 73),  
(44, 74),  
(45, 75),  
(46, 76),  
(47, 77),  
(48, 78),  
(49, 79),  
(50, 80),  
(51, 81),  
(52, 82);
```

```
insert into "get"  
values (63,43,1),  
(64,44,2),  
(65,45,3),  
(66,46,4),  
(67,47,5),  
(68,48,6),  
(69,49,7),  
(70,50,8),  
(71,51,9),  
(72,52,10);
```