

HOSPITAL.INDIVID	
PERSONID	NUMBER (*,0)
LASTNAME	VARCHAR2 (255 BYTE)
FIRSTNAME	VARCHAR2 (255 BYTE)
ADDRESS	VARCHAR2 (255 BYTE)
CITY	VARCHAR2 (255 BYTE)

HOSPITAL.TEDI	
PERSONID	NUMBER (*,0)
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HOSPITAL.HOSPITAL	
PERSONID	NUMBER (*,0)
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FIRSTNAME	VARCHAR2 (255 BYTE)
ADDRESS	VARCHAR2 (255 BYTE)
CITY	VARCHAR2 (255 BYTE)

HOSPITAL.ELSON	
PERSONID	NUMBER (*,0)
LASTNAME	VARCHAR2 (255 BYTE)
FIRSTNAME	VARCHAR2 (255 BYTE)
ADDRESS	VARCHAR2 (255 BYTE)
CITY	VARCHAR2 (255 BYTE)

HOSPITAL_SYSTEM.INVOICES	
P * INVOICE_ID	NUMBER
F * PATIENT_ID	NUMBER
* CREATED_AT	DATE
* STATUS	VARCHAR2 (20 BYTE)
* TOTAL_AMOUNT	NUMBER (12,2)
INVOICES_PK (INVOICE_ID)	
FK_INV_PATIENT (PATIENT_ID)	
IX_INVOICES_PATIENT (PATIENT_ID, CREATED_AT)	

HOSPITAL_SYSTEM.PATIENTS	
P * PATIENT_ID	NUMBER
* FIRST_NAME	VARCHAR2 (80 BYTE)
* LAST_NAME	VARCHAR2 (80 BYTE)
* BIRTH_DATE	DATE
GENDER	CHAR (1 BYTE)
PHONE	VARCHAR2 (30 BYTE)
EMAIL	VARCHAR2 (120 BYTE)
ADDRESS	VARCHAR2 (200 BYTE)
CITY	VARCHAR2 (80 BYTE)
* CREATED_AT	DATE
PATIENTS_PK (PATIENT_ID)	

HOSPITAL_SYSTEM.VISITS	
P * VISIT_ID	NUMBER
F * PATIENT_ID	NUMBER
F * DOCTOR_ID	NUMBER
* VISIT_TIME	DATE
* VISIT_TYPE	VARCHAR2 (10 BYTE)
APPOINTMENT_ID	NUMBER
ADMISSION_ID	NUMBER
DIAGNOSIS	VARCHAR2 (300 BYTE)
TREATMENT_NOTES	VARCHAR2 (400 BYTE)
VISITS_PK (VISIT_ID)	
FK_VISIT_ADM (ADMISSION_ID)	
FK_VISIT_APPT (APPOINTMENT_ID)	
FK_VISIT_DOCTOR (DOCTOR_ID)	
FK_VISIT_PATIENT (PATIENT_ID)	
IX_VISITS_PATIENT_DATE (PATIENT_ID, VISIT_TIME)	

HOSPITAL_SYSTEM.APPOINTMENTS	
P * APPOINTMENT_ID	NUMBER
F * PATIENT_ID	NUMBER
F * DOCTOR_ID	NUMBER
* START_TIME	DATE
* END_TIME	DATE
* STATUS	VARCHAR2 (20 BYTE)
REASON	VARCHAR2 (200 BYTE)
* CREATED_AT	DATE
APPOINTMENTS_PK (APPOINTMENT_ID)	
FK_APPT_DOCTOR (DOCTOR_ID)	
FK_APPT_PATIENT (PATIENT_ID)	
IX_APPT_DOCTOR_TIME (DOCTOR_ID, START_TIME, END_TIME)	
IX_APPT_PATIENT_TIME (PATIENT_ID, START_TIME)	

HOSPITAL_SYSTEM.AUDIT_LOG	
P * LOG_ID	NUMBER
* TABLE_NAME	VARCHAR2 (30 BYTE)
* ACTION_TYPE	VARCHAR2 (10 BYTE)
RECORD_ID	NUMBER
OLD_VALUES	VARCHAR2 (4000 BYTE)
NEW_VALUES	VARCHAR2 (4000 BYTE)
* CHANGED_BY	VARCHAR2 (50 BYTE)
* CHANGED_AT	DATE
AUDIT_LOG_PK (LOG_ID)	

HOSPITAL_SYSTEM.ADMISSIONS	
P * ADMISSION_ID	NUMBER
F * PATIENT_ID	NUMBER
F * DOCTOR_ID	NUMBER
F * BED_ID	NUMBER
* ADMIT_TIME	DATE
DISCHARGE_TIME	DATE
* STATUS	VARCHAR2 (20 BYTE)
NOTES	VARCHAR2 (400 BYTE)
ADMISSIONS_PK (ADMISSION_ID)	
FK_ADM_BED (BED_ID)	
FK_ADM_DOCTOR (DOCTOR_ID)	
FK_ADM_PATIENT (PATIENT_ID)	
IX_ADM_BED_STATUS (BED_ID, STATUS)	
IX_ADM_PATIENT (PATIENT_ID, ADMIT_TIME)	

HOSPITAL_SYSTEM.INVOICE_ITEMS	
P * ITEM_ID	NUMBER
F * INVOICE_ID	NUMBER
* SERVICE_NAME	VARCHAR2 (120 BYTE)
* QTY	NUMBER
* UNIT_PRICE	NUMBER (10,2)
LINE_TOTAL	"QTY"*"UNIT_PRICE"
INVOICE_ITEMS_PK (ITEM_ID)	
FK_ITEM_INVOICE (INVOICE_ID)	
IX_INVOICE_ITEMS_INVOICE (INVOICE_ID)	

HOSPITAL_SYSTEM.PRESCRIPTIONS	
P * PRESCRIPTION_ID	NUMBER
F * PATIENT_ID	NUMBER
F * DOCTOR_ID	NUMBER
F * VISIT_ID	NUMBER
* ISSUED_AT	DATE
NOTES	VARCHAR2 (300 BYTE)
PRESCRIPTIONS_PK (PRESCRIPTION_ID)	
FK_RX_DOCTOR (DOCTOR_ID)	
FK_RX_PATIENT (PATIENT_ID)	
FK_RX_VISIT (VISIT_ID)	
IX_RX_PATIENT_DATE (PATIENT_ID, ISSUED_AT)	

HOSPITAL_SYSTEM.DOCTORS	
P * DOCTOR_ID	NUMBER
* FIRST_NAME	VARCHAR2 (80 BYTE)
* LAST_NAME	VARCHAR2 (80 BYTE)
* SPECIALIZATION	VARCHAR2 (100 BYTE)
PHONE	VARCHAR2 (30 BYTE)
EMAIL	VARCHAR2 (120 BYTE)
* IS_ACTIVE	CHAR (1 BYTE)
* CREATED_AT	DATE
DOCTORS_PK (DOCTOR_ID)	

HOSPITAL_SYSTEM.PRESCRIPTION_ITEMS	
P * RX_ITEM_ID	NUMBER
F * PRESCRIPTION_ID	NUMBER
* MEDICINE_NAME	VARCHAR2 (120 BYTE)
DOSAGE	VARCHAR2 (60 BYTE)
FREQUENCY	VARCHAR2 (60 BYTE)
DAYS	NUMBER
PRESCRIPTION_ITEMS_PK (RX_ITEM_ID)	
FK_RXITEM_RX (PRESCRIPTION_ID)	
IX_RX_ITEMS_RX (PRESCRIPTION_ID)	

HOSPITAL_SYSTEM.ROOMS	
P * ROOM_ID	NUMBER
U * ROOM_NO	VARCHAR2 (20 BYTE)
* ROOM_TYPE	VARCHAR2 (30 BYTE)
FLOOR_NO	NUMBER
* DAILY_RATE	NUMBER (10,2)
* IS_ACTIVE	CHAR (1 BYTE)
ROOMS_PK (ROOM_ID)	
ROOMS_ROOM_NO_UN (ROOM_NO)	

HOSPITAL_SYSTEM.BEDS	
P * BED_ID	NUMBER
UF * ROOM_ID	NUMBER
U * BED_NO	VARCHAR2 (20 BYTE)
* IS_ACTIVE	CHAR (1 BYTE)
BEDS_PK (BED_ID)	
UQ_BED (ROOM_ID, BED_NO)	
FK_BED_ROOM (ROOM_ID)	
UQ_BED (ROOM_ID, BED_NO)	