

dentist_no	dentist_name	patient_no	patient_name	appointment		surgeryroom_no
				date	time	
D1011	Tony Smith	P100	Gillian White	12-Aug-2022	10:00	S15
D1011	Tony Smith	P105	Jill Bell	12-Aug-2022	12:00	S15
D1024	Helen Pearson	P108	Ian MacKay	12-Aug-2022	10:00	S10
D1024	Helen Pearson	P108	Ian MacKay	14-Aug-2022	14:00	S10
D1032	Robin Plevin	P105	Jill Bell	14-Aug-2022	16:30	S15
D1032	Robin Plevin	P110	John Walker	15-Aug-2022	18:00	S13

UNF

APPOINTMENT(dentist_no, dentist_name, patient_no, patient_name, app_datetime, surgeryroom_no)

1NF

APPOINTMENT(dentist_no, app_datetime, dentist_name, patient_no, patient_name, surgeryroom_no)

CK:

dentist_no, app_datetime,

patient_no, app_datetime,

surgeryroom_no, app_datetime

Partial Dependencies (Check all Candidate Key):

dentist_no -> dentist_name

patient_no -> patient_name

2NF

APPOINTMENT(dentist_no, app_datetime, patient_no, surgeryroom_no)

DENTIST(dentist_no, dentist_name)

PATIENT(patient_no, patient_name)

TRANSITIVE DEPENDENCIES

3NF

APPOINTMENT(dentist_no, app_datetime, patient_no, surgeryroom_no)

DENTIST(dentist_no, dentist_name)

PATIENT(patient_no, patient_name)

FULL DEPENDENCIES

dentist_no, app_datetime -> patient_no, surgeryroom_no

dentist_no -> dentist_name

patient_no -> patient_name