

# Team Project

## KOR – COVID19 Database

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# Scoring metric

- Total 100 point
  1. 15 point – ER model 완료!
  2. 15 point – Relational model 완료!
  3. 15 point – DB 구축(MySQL, Python) 완료!
  4. 15 point – MySQL, APACHE/PHP연동 내용1
  5. 15 point – Search function 내용2
  6. 15 point – SQL tasks 내용3
  7. 10 point – Map visualization

# 팀프로젝트 3차시

- 목표 :
  - 2 차시에서 팀별로 parsing하고 데이터베이스에 insert한 데이터들을 이용하여 web 상에 출력하면서 의미 있는 data들을 뽑아내는 것 (Patientinfo, Case, Region, Weather, Time\_info 5개의 테이블 이용)
- 내용 (각 15포인트)
  1. Patientinfo, Case, Region, Weather, Time\_info 테이블을 웹 페이지 상에 출력(전체 select), **최상단에 row갯수(select된 튜플 수)를 출력!**
  2. 테이블들 attribute들중에서 하나를 고르고, 선택한 attribute를 기준으로 filtering한 것을 웹 페이지 상에 출력 (5개의 테이블 중 3개 선택) **최상단에 row갯수(select된 튜플 수)를 출력!**
  3. 5개의 테이블을 자유롭게 사용하여(select, join, where, group by, having, union등) 하나의 의미 있는 view를 뽑아낸 후 웹페이지 상에 출력
- 제출물
  1. 5개의 테이블을 대한 웹페이지의 **php소스코드 5개**와 웹페이지 최상단을 **캡처한 사진 5개** (내용1)
  2. 5개의 테이블 중 3개의 테이블을 고르고, 3개의 테이블들에서 각각 어떤 attribute로 filtering하였는지 **적은 README 파일, 3개의 php소스코드와 웹페이지 최상단을 캡처한 사진 3개** (내용2)
  3. 사용한 테이블들과 view 생성에 사용한 select,join,where,group by, having, union등을 적은 **README 파일, 1개의 php소스 코드, 1개의 캡처한 사진**(내용3)

총 9개의 php파일과 9개의 캡처 사진, 1개의 README파일, 기간은 **2주!**



# 내용1 예시 : patientinfo 테이블을 통해 만든 웹 페이지

← → ↻ localhost/patient.php

Connect Successfully. Host info: localhost via TCP/IP

## 데이터베이스 팀 프로젝트 3주차 예시

Patient Info table (Currently 5162) patients in database

Patient_ID	Sex	Age	Country	province	City	Infection_Case	Infected_by	contact_number	symptom_onset_date	confirmed_date	released_date	deceased_date	state
1000000001	male	50s	Korea	Seoul	Gangseo-gu	overseas inflow		75	2020-01-22	2020-01-23	2020-02-05		released
1000000002	male	30s	Korea	Seoul	Jungnang-gu	overseas inflow		31		2020-01-30	2020-03-02		released
1000000003	male	50s	Korea	Seoul	Jongno-gu	contact with patient	2002000001	17		2020-01-30	2020-02-19		released
1000000004	male	20s	Korea	Seoul	Mapo-gu	overseas inflow		9	2020-01-26	2020-01-30	2020-02-15		released
1000000005	female	20s	Korea	Seoul	Seongbuk-gu	contact with patient	1000000002	2		2020-01-31	2020-02-24		released
1000000006	female	50s	Korea	Seoul	Jongno-gu	contact with patient	1000000003	43		2020-01-31	2020-02-19		released
1000000007	male	20s	Korea	Seoul	Jongno-gu	contact with patient	1000000003	0		2020-01-31	2020-02-10		released
1000000008	male	20s	Korea	Seoul	etc	overseas inflow		0		2020-02-02	2020-02-24		released
1000000009	male	30s	Korea	Seoul	Songpa-gu	overseas inflow		68		2020-02-05	2020-02-21		released
1000000010	female	60s	Korea	Seoul	Seongbuk-gu	contact with patient	1000000003	6		2020-02-05	2020-02-29		released
1000000011	female	50s	China	Seoul	Seodaemun-gu	overseas inflow		23		2020-02-06	2020-02-29		released
1000000012	male	20s	Korea	Seoul	etc	overseas inflow		0		2020-02-07	2020-02-27		released
1000000013	male	80s	Korea	Seoul	Jongno-gu	contact with patient	1000000017	117		2020-02-16			deceased
1000000014	female	60s	Korea	Seoul	Jongno-gu	contact with patient	1000000013	27	2020-02-06	2020-02-16	2020-03-12		released
1000000015	male	70s	Korea	Seoul	Seongdong-gu	Seongdong-gu APT		8	2020-02-11	2020-02-19			released
1000000016	male	70s	Korea	Seoul	Jongno-gu	contact with patient	1000000017			2020-02-19	2020-03-11		released
1000000017	male	70s	Korea	Seoul	Jongno-gu	contact with patient	1000000003			2020-02-20	2020-03-01		released
1000000018	male	20s	Korea	Seoul	etc	etc				2020-02-20			released
1000000019	female	70s	Korea	Seoul	Jongno-gu	contact with patient	1000000021			2020-02-20	2020-03-08		released
1000000020	female	70s	Korea	Seoul	Seongdong-gu	Seongdong-gu APT	1000000015			2020-02-20			released
1000000021	male	80s	Korea	Seoul	Jongno-gu	contact with patient	1000000016			2020-02-20	2020-03-08		released
1000000022	male	30s	Korea	Seoul	Seodaemun-gu	Eunpyeong St. Mary's				2020-02-21			released





# 내용 2 예시 : patient의 state를 활용하여 필터링한 결과를 출력

localhost/patient2.php

Connect Successfully. Host info: localhost via TCP/IP

## 데이터베이스 팀 프로젝트 3주차 예시2

state를 선택하세요.

released ▼ load

Patient Info table (Currently 2927) patients in database which state is released

Patient_ID	Sex	Age	Country	province	City	Infection_Case	Infected_by	contact_number	symptom_onset_date	confirmed_date	released_date	deceased_date	state
1000000002	male	30s	Korea	Seoul	Jungnang-gu	overseas inflow		31		2020-01-30	2020-03-02		released
1000000003	male	50s	Korea	Seoul	Jongno-gu	contact with patient	2002000001	17		2020-01-30	2020-02-19		released
1000000004	male	20s	Korea	Seoul	Mapo-gu	overseas inflow		9	2020-01-26	2020-01-30	2020-02-15		released
1000000005	female	20s	Korea	Seoul	Seongbuk-gu	contact with patient	1000000002	2		2020-01-31	2020-02-24		released
1000000006	female	50s	Korea	Seoul	Jongno-gu	contact with patient	1000000003	43		2020-01-31	2020-02-19		released
1000000007	male	20s	Korea	Seoul	Jongno-gu	contact with patient	1000000003	0		2020-01-31	2020-02-10		released
1000000008	male	20s	Korea	Seoul	etc	overseas inflow		0		2020-02-02	2020-02-24		released
1000000009	male	30s	Korea	Seoul	Songpa-gu	overseas inflow		68		2020-02-05	2020-02-21		released
1000000010	female	60s	Korea	Seoul	Seongbuk-gu	contact with patient	1000000003	6		2020-02-05	2020-02-29		released
1000000011	female	50s	China	Seoul	Seodaemun-gu	overseas inflow		23		2020-02-06	2020-02-29		released
1000000012	male	20s	Korea	Seoul	etc	overseas inflow		0		2020-02-07	2020-02-27		released
1000000014	female	60s	Korea	Seoul	Jongno-gu	contact with patient	1000000013	27	2020-02-06	2020-02-16	2020-03-12		released
1000000015	male	70s	Korea	Seoul	Seongdong-gu	Seongdong-gu APT		8	2020-02-11	2020-02-19			released
1000000016	male	70s	Korea	Seoul	Jongno-gu	contact with patient	1000000017			2020-02-19	2020-03-11		released
1000000017	male	70s	Korea	Seoul	Jongno-gu	contact with patient	1000000003			2020-02-20	2020-03-01		released
1000000018	male	20s	Korea	Seoul	etc	etc				2020-02-20			released
1000000019	female	70s	Korea	Seoul	Jongno-gu	contact with patient	1000000021			2020-02-20	2020-03-08		released
1000000020	female	70s	Korea	Seoul	Seongdong-gu	Seongdong-gu APT	1000000015			2020-02-20			released

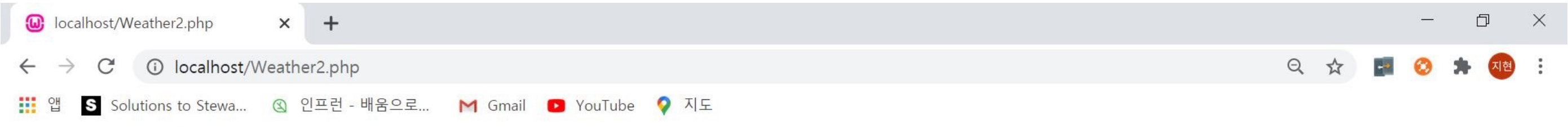
팀별로 자유롭게 3개의 테이블을  
고르고, 고른 3개의 테이블에서  
또 attribute를 선택

그 attribute의 domain중 하나의  
값을 선택 또는 검색 하였을 때  
해당 값을 가지는 row를 모두 출력

Hint :  
<form>태그 사용  
<form>태그 안에 <input>태그로  
Radio, select, text 어떤 것이든 사용  
가능



# 내용 2 예시

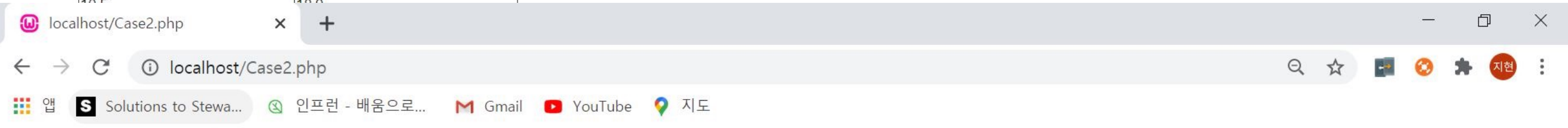


wdate를 선택하세요.

2020 ▾ 01 ▾ 01 ▾ submit

Weather table (Currently 20) weathers in database which wdate is 2020-05-12

region_code	province	wdate	avg_temp	min_temp	max_temp
10160	Seoul	2020-05-12	14.3	10.5	18.9
10110	Seoul	2020-05-12	14.3	10.5	18.9
10090	Seoul	2020-05-12	14.3	10.5	18.9
10100	Seoul	2020-05-12	14.3	10.5	18.9
10120	Seoul	2020-05-12	14.3	10.5	18.9
10050	Seoul	2020-05-12	14.3	10.5	18.9
10180	Seoul	2020-05-12	14.3	10.5	18.9
10200	Seoul	2020-05-12	14.3	10.5	18.9
12070	Daegu	2020-05-12	20.2	14.3	26.1
12020	Daegu	2020-05-12	20.2	14.3	26.1
14070	Incheon	2020-05-12	14.1	10.5	17.7
14040	Incheon	2020-05-12	14.1	10.5	17.7
50030	Jeollabuk-do	2020-05-12	16	10.5	21.5
20130	Gyeonggi-do	2020-05-12	14.1	10.5	17.7
20280	Gyeonggi-do	2020-05-12	14.1	10.5	17.7
11080	Busan	2020-05-12	18.2	14.3	22.1
11040	Busan	2020-05-12	18.2	14.3	22.1
16050	Ulsan	2020-05-12	19.9	14.3	25.5
16020	Ulsan	2020-05-12	19.9	14.3	25.5
61010	Gyeongsangnam-do	2020-05-12	18.7	14.3	23.1



Province를 선택하세요.

Gangwon-do ▾ submit1

Case Info table (Currently 5) infection cases in database which province is Gangwon-do

\* Gangwon-do지역의 감염 케이스들 중 확진자 수를 알고싶은 케이스를 선택하세요.

etc ▾ submit2

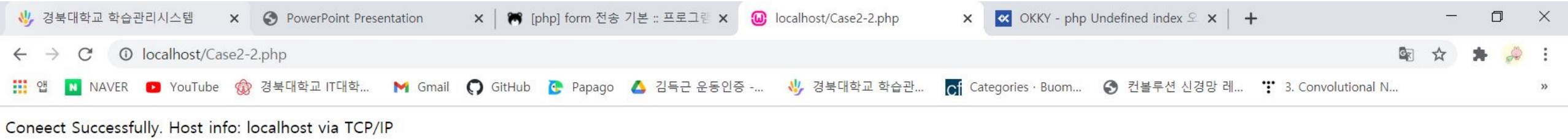
Gangwon-do 지역에서 발생한 감염 케이스 overseas inflow 로 인한 총 확진자 수 : 16 명 입니다.

case_id	province	city	infection_group	infection_case	confirmed	latitude	longitude
3000008	Gangwon-do	Gangneung-si	0	etc	7		
3000001	Gangwon-do	Chuncheon-si	1	Shincheonji Church	17		
3000006	Gangwon-do	Gangneung-si	0	overseas inflow	16		
3000007	Gangwon-do	Wonju-si	0	contact with patient	0		
3000004	Gangwon-do	Chuncheon-si	1	Richway	4		





# 내용 2 예시



## 데이터베이스 팀 프로젝트 3주차 Case2

Shincheonji Church

load

Case table (Currently 13) cases in database

Case_id	Province	City	Group	Infection_case	Confirmed	Latitude	Longitude
1000021	Seoul	Secho-gu	1	Shincheonji Church	8	37.4838	127.033
1100002	Busan	Haeundae-gu	1	Shincheonji Church	12	35.1634	129.164
1200001	Daegu		1	Shincheonji Church	4511		
1400004	Incheon	Bupyeong-gu	1	Shincheonji Church	2		
1500006	Daejeon	Yuseong-gu	1	Shincheonji Church	2		
1600001	Ulsan	Jung-gu	1	Shincheonji Church	16		
1700003	Sejong	Sejong	1	Shincheonji Church	1		
2000007	Gyeonggi-do	Anyang-si	1	Shincheonji Church	29		
3000001	Gangwon-do	Chuncheon-si	1	Shincheonji Church	17		
5000003	Jeollabuk-do	Jeonju-si	1	Shincheonji Church	1		
5100002	Jeollanam-do	Yeosu-si	1	Shincheonji Church	1		
6000001	Gyeongsangbuk-do	Andong-si	1	Shincheonji Church	566		
6100001	Gyeongsangnam-do	Changwon-si	1	Shincheonji Church	32		

Confirmed\_date를 선택하세요.

2020

01

01

submit

Patient Info table (Currently 51) patients in database which confirmed\_date is 2020-03-11

patient_id	sex	age	country	province	city	infection_case	infected_by	contact_number	symptom_onset_date	confirmed_date	released_date	deceased_date	state	Hospital_id
1000000203	male	20s	Korea	Seoul	Gangseo-gu	Guro-gu Call Center				2020-03-11			released	37
1000000204	male	50s	Korea	Seoul	Gangseo-gu	Guro-gu Call Center				2020-03-11			released	37
1000000205	female	20s	Korea	Seoul	Gangseo-gu	Guro-gu Call Center				2020-03-11			released	37
1000000206	female	20s	Korea	Seoul	Seodaemun-gu	etc				2020-03-11			released	37
1000000207	female	70s	Korea	Seoul	Eunpyeong-gu	etc				2020-03-11	2020-03-20		released	37
1000000208	male	40s	Korea	Seoul	Jungnang-gu	Guro-gu Call Center				2020-03-11			released	40
1000000209	male	70s	Korea	Seoul	Guro-gu	Guro-gu Call Center			2020-03-10	2020-03-11			released	37
1000000210	male	50s	Korea	Seoul	Eunpyeong-gu	etc				2020-03-11			released	37
1000000211	male	20s	Korea	Seoul	Dongdaemun-gu	Dongan Church				2020-03-11			released	38
1000000212	female	20s	Korea	Seoul	Dongdaemun-gu	Dongan Church				2020-03-11			released	38
1000000213	female	20s	Korea	Seoul	Mapo-gu	Guro-gu Call Center			2020-03-10	2020-03-11			released	37
1000000214	female	50s	Korea	Seoul	Seodaemun-gu	Guro-gu Call Center				2020-03-11			released	37
1000000215	female	60s	Korea	Seoul	Songpa-gu	etc				2020-03-11			released	11
1000000216	male	30s	Korea	Seoul	Seongbuk-gu	overseas inflow				2020-03-11			released	31
1000000217	male	20s	Korea	Seoul	Seongbuk-gu	Dongan Church				2020-03-11			released	31
1000000218	male	40s	Korea	Seoul	Guro-gu	Guro-gu Call Center			2020-03-10	2020-03-11			released	37
1000000219	female	30s	Korea	Seoul	Jungnang-gu	Guro-gu Call Center				2020-03-11			released	40
1000000220	male	50s	Korea	Seoul	Dongdaemun-gu	Dongan Church				2020-03-11			released	38
6100000084	male	40s	Korea	Gyeongsangnam-do	Geoje-si	etc				2020-03-11	2020-03-14		released	26
1100000092	male	50s	Korea	Busan	Busanjin-gu	contact with patient	1100000071	2	2020-03-09	2020-03-11			released	22
1100000093	male	40s	Korea	Busan	etc	contact with patient		0		2020-03-11			released	28
2000000175	female	50s	Korea	Gyeonggi-do	Goyang-si	etc				2020-03-11			isolated	7
2000000176	female	40s	Korea	Gyeonggi-do	Bucheon-si	contact with patient	1000000125			2020-03-11			isolated	9
2000000177	male	50s	Korea	Gyeonggi-do	Gwangju-si	contact with patient	2000000172	29		2020-03-11	2020-04-06		released	9
2000000178	male	60s	Korea	Gyeonggi-do	Seongnam-si	contact with patient	2000000111			2020-03-11			isolated	9
2000000179	male	20s	Korea	Gyeonggi-do	Uijeongbu-si	overseas inflow				2020-03-11			isolated	7
1500000019	female	70s	Korea	Daejeon	Seon-gu	etc		6		2020-03-11		2020-05-02	deceased	23

Innang 2021-2, Database (com 222), rno



# 내용3 예시

경북K\_COlocalK\_COK\_CO마커카카textdivHTMLdivp[html+

localhost/patientweather.php

Coneect Successfully. Host info: localhost via TCP/IP

데이터베이스 팀 프로젝트 3주차 Patient\_Weather

PatientWeather table (Currently 48) PatientWeathers in database

Wdate	Province	Avg_temp	Min_temp	Max_temp
2020-02-26	Seoul	6.4	2.8	10.4
2020-02-26	Gyeongsangnam-do	9	6.6	13.2
2020-02-26	Busan	9.5	6.8	14.1
2020-02-26	Chungcheongbuk-do	6.4	0.2	11.9
2020-02-26	Gyeongsangbuk-do	6.1	3.3	10.1
2020-02-26	Gyeonggi-do	5.6	1.1	11.4
2020-02-26	Daejeon	8	4.2	14.7
2020-02-26	Ulsan	8.5	6.5	10.7
2020-02-26	Chungcheongnam-do	5.4	0.4	11.6
2020-02-28	Gyeonggi-do	4.6	2.9	5.7
2020-02-28	Gyeongsangnam-do	5.1	3.4	7.5
2020-02-28	Seoul	4.5	3.6	5.9
2020-02-28	Busan	6.9	4.8	8.9
2020-02-28	Gyeongsangbuk-do	3.9	-1.4	8.5
2020-02-28	Incheon	4.3	2.8	5.1
2020-02-28	Daejeon	5.1	3.7	6.7
2020-02-28	Chungcheongnam-do	4.7	1.5	7.8
2020-02-28	Jeollanam-do	6.9	6.4	7.9
2020-02-28	Ulsan	4.7	1.5	8.4
2020-03-01	Seoul	5.8	3.2	10.1
2020-03-01	Busan	10.8	7.2	15.6
2020-03-01	Incheon	5.1	3.8	7.6
2020-03-01	Daejeon	6.3	2.6	11.8
2020-03-01	Gyeonggi-do	4.8	0.4	10.2
2020-03-01	Ulsan	9.4	5.2	12.5
2020-03-01	Gangwon-do	8	2.4	13.4
2020-03-01	Chungcheongnam-do	4.7	-0.1	7.6

## 3월 Age

검색

1월지역load

select Age, count(\*) from patientinfo where confirmed\_date between '2020-3-01' and '2020-3-31' group by Age

Age	Count
	1
0s	31
100s	1
10s	89
20s	462
30s	227
40s	268
50s	384
60s	216
70s	116
80s	117
90s	44

## 3월 Province

검색

1월지역load

select Province, count(\*) from patientinfo where confirmed\_date between '2020-3-01' and '2020-3-31' group by Province

Province	Count
Busan	43
Chungcheongbuk-do	33
Chungcheongnam-do	67
Daegu	7
Daejeon	23
Gangwon-do	31
Gwangju	15
Gyeonggi-do	417
Gyeongsangbuk-do	740
Gyeongsangnam-do	41
Incheon	64
Jeju-do	7
Jeollabuk-do	8
Jeollanam-do	10
Sejong	38
Seoul	392
Ulsan	20

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localhost/3rd\_week\_q3

동기화하지 않음

Connected Successfully. Host info: localhost via TCP/IP

## 데이터베이스 팀 프로젝트 3주차 3번

Group\_Affected\_Teenagers table: Currently 13 group-infected teenaged patients in database

Province	City	Patient_id	Age	Infection_Case	Elementary_school_count	Infection_Group
Seoul	Nowon-gu	1000000079	10s	Seongdong-gu APT	42	1
Seoul	Nowon-gu	1000000087	10s	Seongdong-gu APT	42	1
Seoul	Dongdaemun-gu	1000000268	10s	Dongan Church	21	1
Seoul	Mapo-gu	1000000286	10s	Guro-gu Call Center	22	1
Seoul	Mapo-gu	1000000287	10s	Guro-gu Call Center	22	1
Busan	Gangseo-gu	1100000021	10s	Onchun Church	17	1
Busan	Dongnae-gu	1100000001	10s	Onchun Church	22	1
Busan	Dongnae-gu	1100000015	10s	Onchun Church	22	1
Ulsan	Buk-gu	1600000009	10s	Shincheonji Church	22	1
Gyeonggi-do	Bucheon-si	2000000808	10s	Coupang Logistics Center	64	1
Gyeongsangnam-do	Jinju-si	6100000003	10s	Shincheonji Church	45	1
Gyeongsangnam-do	Jinju-si	6100000004	10s	Shincheonji Church	45	1
Gyeongsangnam-do	Changnyeong-gun	6100000071	10s	Changnyeong Coin Karaoke	17	1





DO YOUR BEST!