



Ardian – 2106638173
LATIHAN SQL REFRESHER – 12 FEBRUARI 2024

INSTRUKSI LATIHAN

- Buat akun dan akses: <https://www.hackerrank.com/domains/sql>
- Kerjakan soal-soal pada HackerRank dengan nama soal seperti yang tertera di bawah ini. Jawaban Anda langsung ditulis tepat di bawah masing-masing soal.
- Sertakan screenshot halaman profile HackerRank Anda. Pastikan nama dan foto akun Anda tampak.
- Gunakan sintaks MySQL.
- Anda dapat menggunakan referensi belajar SQL seperti “SQL Basics Cheat Sheet - LearnSQL” dan “SQL Basics Cheat Sheet - datacamp” di SCELE.
- Dilarang keras menyontek.
- Pastikan Anda submit jawaban Anda dalam docx atau pdf dengan format: 20240213 - Latihan SQL - Nama Lengkap.pdf
- Deadline latihan pada 13 Februari 2024 pukul 23.55 (tidak ada perpanjangan waktu).

SOAL DAN JAWABAN

1. Revising the Select Query I
Jawaban:

```
SELECT *  
FROM CITY  
WHERE COUNTRYCODE = 'USA' AND POPULATION > 100000;
```

2. Revising the Select Query II
Jawaban:

```
SELECT NAME  
FROM CITY  
WHERE COUNTRYCODE = 'USA' AND POPULATION > 120000;
```

3. Select All
Jawaban:

```
SELECT * FROM CITY
```

4. Population Census
Jawaban:

```
SELECT SUM(CITY.POPULATION)  
FROM CITY  
JOIN COUNTRY ON CITY.COUNTRYCODE = COUNTRY.CODE
```

```
WHERE COUNTRY.CONTINENT = 'Asia';
```

5. Japanese Cities' Attributes

Jawaban:

```
SELECT * FROM CITY  
WHERE COUNTRYCODE = 'JPN';
```

6. Top Earners

Jawaban:

```
SELECT MAX(earnings), COUNT(*)  
FROM (SELECT salary * months AS earnings  
      FROM Employee) AS subquery  
WHERE earnings = (SELECT MAX(salary * months) FROM Employee);
```

7. Average Population of Each Continent

Jawaban:

```
SELECT CONTINENT, FLOOR(AVG(CITY.POPULATION))  
FROM COUNTRY  
JOIN CITY ON COUNTRY.CODE = CITY.COUNTRYCODE  
GROUP BY CONTINENT;
```

8. Weather Observation Station 9

Jawaban:

```
SELECT DISTINCT CITY  
FROM STATION  
WHERE CITY NOT REGEXP '[AEIOU]';
```

9. Higher Than 75 Marks

Jawaban:

```
SELECT Name  
FROM STUDENTS  
WHERE Marks > 75  
ORDER BY RIGHT(Name, 3), ID;
```

10. Average Population

Jawaban:

```
SELECT FLOOR(AVG(POPULATION))  
FROM CITY;
```

SCREENSHOT PROFILE HACKERRANK (next page)

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