

```
SELECT * FROM EMPLOYEES;
```

```
CREATE VIEW v_wysokie_pensje AS SELECT *  
  
FROM EMPLOYEES  
  
WHERE salary > 6000;
```

```
SELECT * FROM v_wysokie_pensje;
```

```
DROP VIEW v_wysokie_pensje;
```

```
CREATE VIEW v_wysokie_pensje AS SELECT *  
  
FROM employees  
  
WHERE salary > 12000;
```

```
DROP VIEW v_wysokie_pensje;
```

```
SELECT * FROM DEPARTMENTS;
```

```
CREATE VIEW v_finance_pracownicy AS  
  
SELECT  
  
    e.employee_id,  
  
    e.last_name,  
  
    e.first_name  
  
FROM EMPLOYEES e JOIN DEPARTMENTS d ON e.department_id = d.department_id  
  
WHERE d.department_name = 'Finance';
```

```
SELECT * FROM v_finance_pracownicy;
```

```
CREATE VIEW v_pracownicy_5000_12000 AS
```

```
SELECT
```

```
    employee_id,
```

```
    last_name,
```

```
    first_name,
```

```
    salary,
```

```
    job_id,
```

```
    email,
```

```
    hire_date
```

```
FROM EMPLOYEES
```

```
WHERE salary BETWEEN 5000 AND 12000;
```

```
SELECT * FROM v_pracownicy_5000_12000;
```

```
--mozna edytowac tylko jesli ma salary od 5000 w gore gdyz tylko widoki 1 i 3 spelniaja warunki modyfikowalnosci
```

```
UPDATE v_pracownicy_5000_12000
```

```
SET salary = 18000
```

```
WHERE employee_id = 103;
```

```
UPDATE v_wysokie_pensje
```

```
SET salary = 9000
```

```
WHERE employee_id = 103;
```

```
CREATE VIEW v_statystyki_dzialow AS
```

```
SELECT
```

```
    d.department_id,
```

```
d.department_name,  
  
COUNT(e.employee_id) AS liczba_pracownikow,  
  
ROUND(AVG(e.salary)) AS srednia_pensja,  
  
MAX(e.salary) AS najwyzsza_pensja  
  
FROM DEPARTMENTS d JOIN EMPLOYEES e ON d.department_id = e.department_id  
  
GROUP BY d.department_id, d.department_name  
  
HAVING COUNT(e.employee_id) >= 4;
```

```
SELECT * FROM v_statystyki_dzialow;
```

```
--NIE mozna edytowac gdyz widok nie spelnia warunkow modyfikowalnosci
```

```
CREATE OR REPLACE VIEW v_pracownicy_5000_12000 AS
```

```
SELECT
```

```
    employee_id,
```

```
    last_name,
```

```
    first_name,
```

```
    salary,
```

```
    job_id,
```

```
    email,
```

```
    hire_date
```

```
FROM EMPLOYEES
```

```
WHERE salary BETWEEN 5000 AND 12000
```

```
WITH CHECK OPTION;
```

```
SELECT * FROM v_statystyki_dzialow;
```

```
INSERT INTO v_pracownicy_5000_12000 (employee_id, last_name, first_name, salary, job_id, email, hire_date)
```

```
VALUES (  
    300, 'Nowak', 'Anna', 8000, 'IT_PROG', 'anowak@example.com', SYSDATE  
);
```

```
SELECT * FROM v_pracownicy_5000_12000;
```

```
--mozna dodawac pracownika z pensja pomiedzy 5000 a 12000 gdyz spelni wtedy warunki modyfikowalnosci
```

```
--NIE mozna dodawac pracownika z pensja powyzej 12000 gdyz widok nie spelnia warunkow modyfikowalnosci
```

```
DELETE FROM v_pracownicy_5000_12000
```

```
WHERE employee_id = 300;
```

```
SELECT * FROM DEPARTMENTS;
```

```
CREATE MATERIALIZED VIEW v_managerowie
```

```
BUILD IMMEDIATE REFRESH ON DEMAND AS
```

```
SELECT DISTINCT
```

```
    e.employee_id,
```

```
    e.first_name,
```

```
    e.last_name,
```

```
    d.department_name
```

```
FROM EMPLOYEES e JOIN DEPARTMENTS d ON e.department_id = d.department_id
```

```
WHERE e.employee_id IN (
```

```
    SELECT DISTINCT manager_id
```

```
    FROM EMPLOYEES
```

```
    WHERE manager_id IS NOT NULL
```

```
);
```

```
SELECT * FROM v_managerowie;
```

```
CREATE VIEW v_najlepiej_oplacani AS SELECT *  
FROM EMPLOYEES  
ORDER BY salary DESC  
FETCH FIRST 10 ROWS ONLY;
```

```
SELECT * FROM v_najlepiej_oplacani
```