Лабораторная работа 2\_1 Доступ к данным

Рассмотреть запросы, определить способ получения данных.

Для получения информации о доступе данных использовалась следующая форма запроса:

explain plan for [query];  
select \* from table(dbms\_xplan.*display*(null,null,'basic'));

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| Текст запроса | Метод доступа |
| SELECT \* FROM EMP WHERE UPPER(JOB) LIKE 'MAN%'; | | 0 | SELECT STATEMENT | |  | 1 | TABLE ACCESS FULL| EMP | |
| SELECT \* FROM EMP WHERE EMPNO = 7844; | | 0 | SELECT STATEMENT | |  | 1 | TABLE ACCESS FULL| EMP | |
| SELECT \* FROM EMP WHERE EMPNO IN (7521, 7782); | | 0 | SELECT STATEMENT | |  | 1 | TABLE ACCESS FULL| EMP | |
| SELECT COUNT(\*) FROM EMP WHERE HIREDATE BETWEEN TO\_DATE('10.02.1982','DD.MM.YYYY') AND TO\_DATE('17.07.1982','DD.MM.YYYY');-- Full Scan; | | 0 | SELECT STATEMENT | |  | 1 | SORT AGGREGATE | |  | 2 | TABLE ACCESS FULL| EMP | |
| * CREATE INDEX HIREDATE\_IDX ON EMP (HIREDATE); * SELECT COUNT(\*) FROM EMP WHERE HIREDATE BETWEEN TO\_DATE('10.02.1982','DD.MM.YYYY') AND TO\_DATE('17.07.1982','DD.MM.YYYY'); | | 0 | SELECT STATEMENT | |  | 1 | SORT AGGREGATE | |  | 2 | INDEX RANGE SCAN| HIREDATE\_IDX | |
| SELECT min(HIREDATE) FROM EMP; -- INDEX FULL SCAN (MIN/MAX); | | 0 | SELECT STATEMENT | |  | 1 | SORT AGGREGATE | |  | 2 | INDEX FULL SCAN (MIN/MAX)| HIREDATE\_IDX | |
| * CREATE INDEX EMP\_DEPT\_IDX ON EMP (empno, deptno); * SELECT /\*+ INDEX(E EMP\_DEPT\_IDX) \*/ EMPNO FROM EMP E WHERE DEPTNO = 30 ORDER BY 1; --INDEX SKIP SCAN; | | 0 | SELECT STATEMENT | |  | 1 | INDEX FULL SCAN| EMP\_DEPT\_IDX| |