



Instructor:

**[It Expert](https://www.youtube.com/watch?v=yGU4YfSSjdM&t=6s&ab_channel=ITExpert)**

Youtube

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SQL Developer

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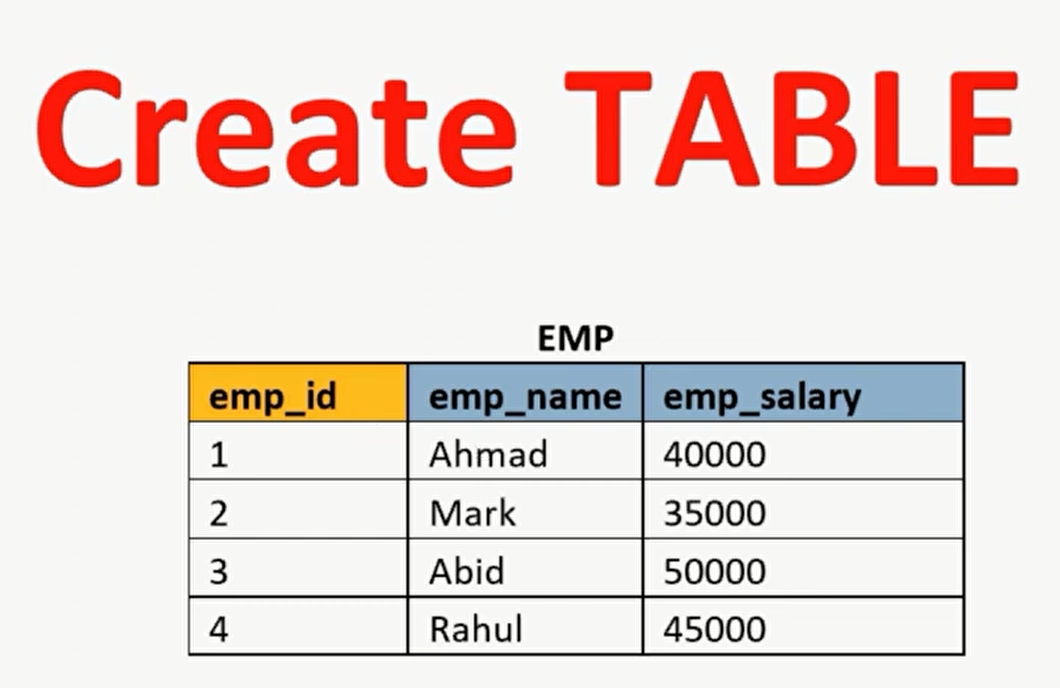
[PL/SQL 18](#_Toc134889339)

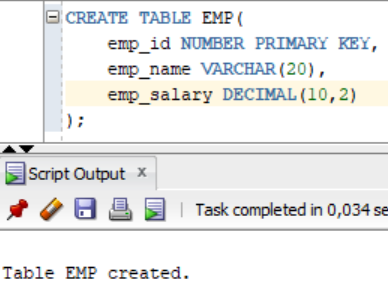
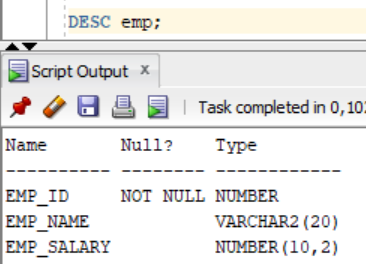
[PL/SQL Procedure 18](#_Toc134889340)

# Data types

|  |  |
| --- | --- |
| INT | Whole numbers |
| DECIMAL(M,N) | Decimal Numbers - Exact Value |
| VARCHAR(length) | String of Text Lenght |
| BLOB | Binary Large Object, Store Large Date |
| DATE | User for Date'YYYY-MM-DD' |
| TIMESTAMP | 'YYYY-MM-DD HH:MM:SS' use fro Recording |

# Create table



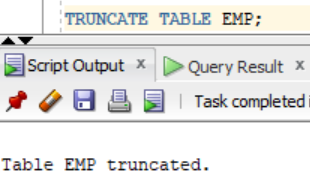
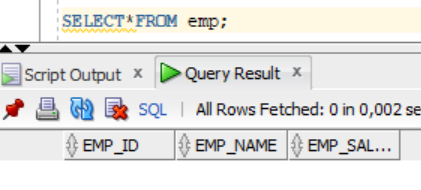
# INSERT STATEMENT



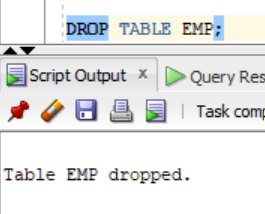
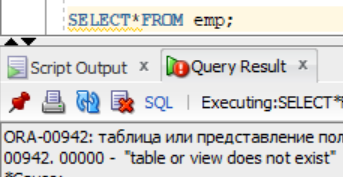
# TRUNCATE Table va DROP Table

TRUNCATE TABLE da WHERE bandi bo’lmaydi.

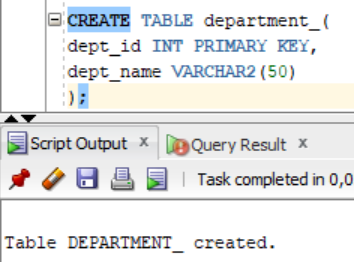
TRUNCATE TABLE ishlatilsa, ma’lumot o’chadi, lekin sxema qoladi.

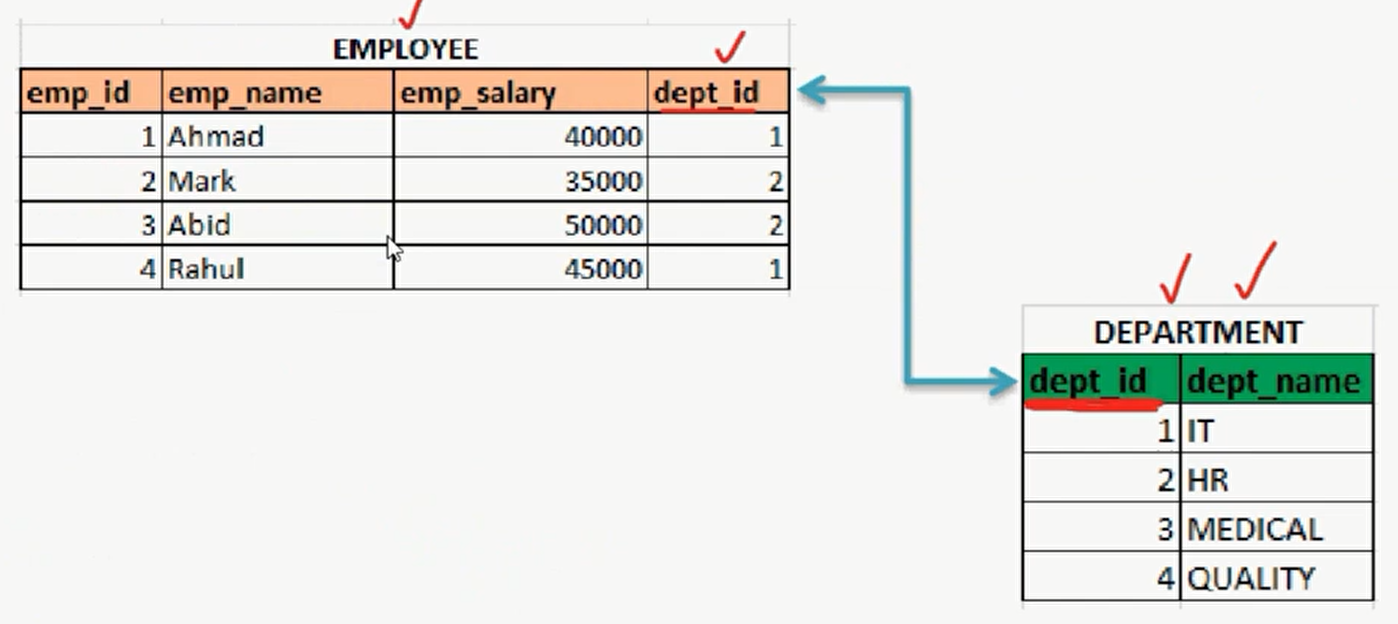
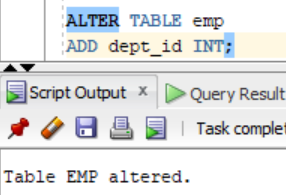
DROP TABLE sxemani o’chiradi.

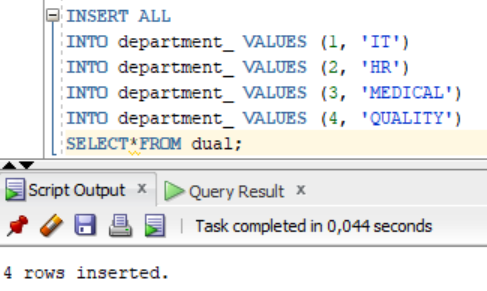
 

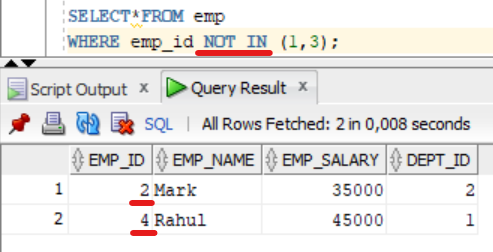
Department jadvali



Emp jadvaliga ustun qo’shamiz:

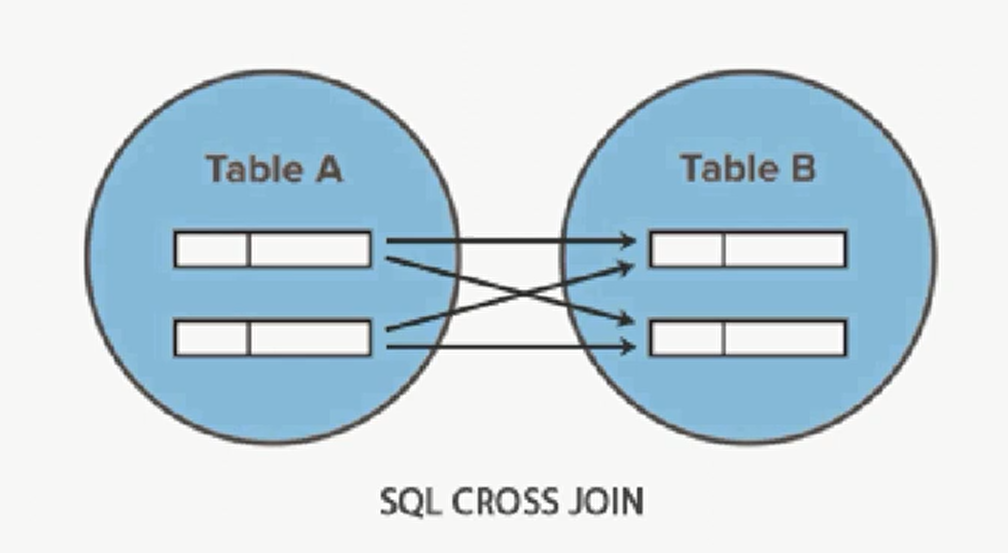




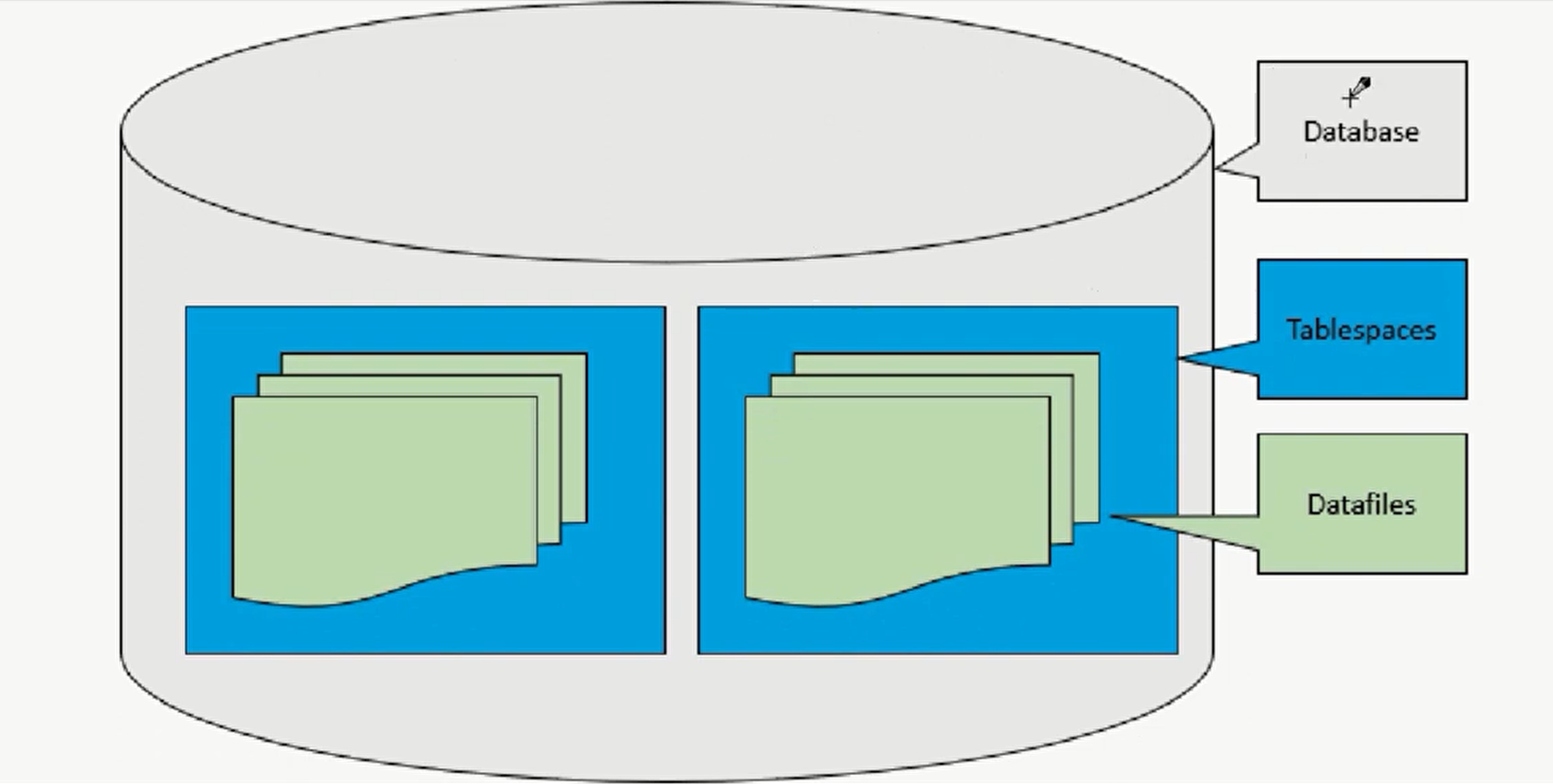


# CROSS JOIN

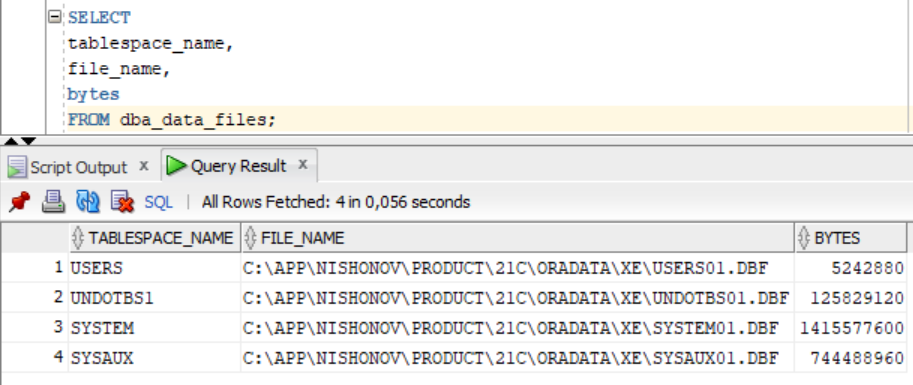
CROSS JOIN — 1-jadval qatorlarini, 2-jadval qatorlariga ko’paytiradi.

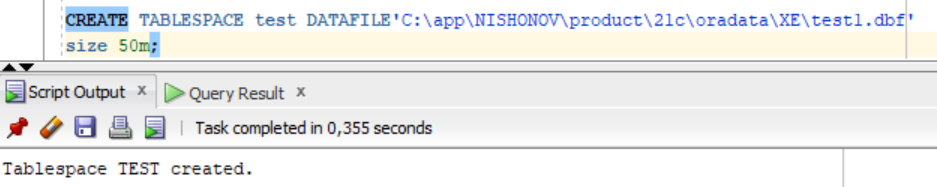


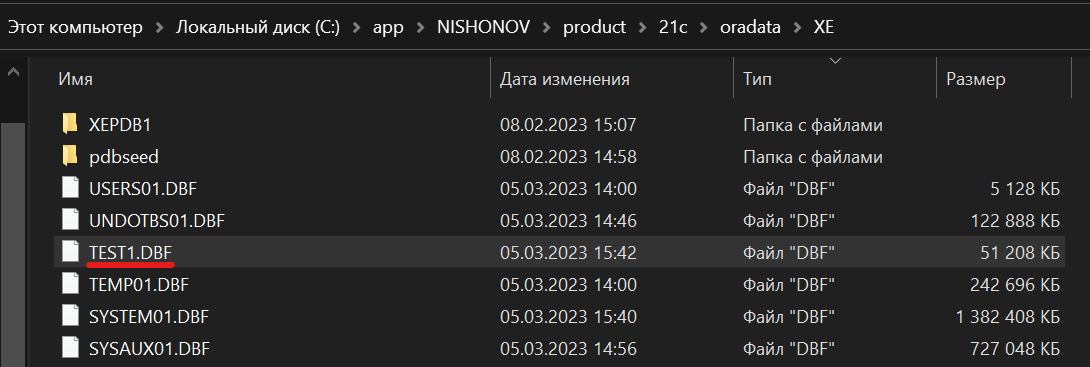


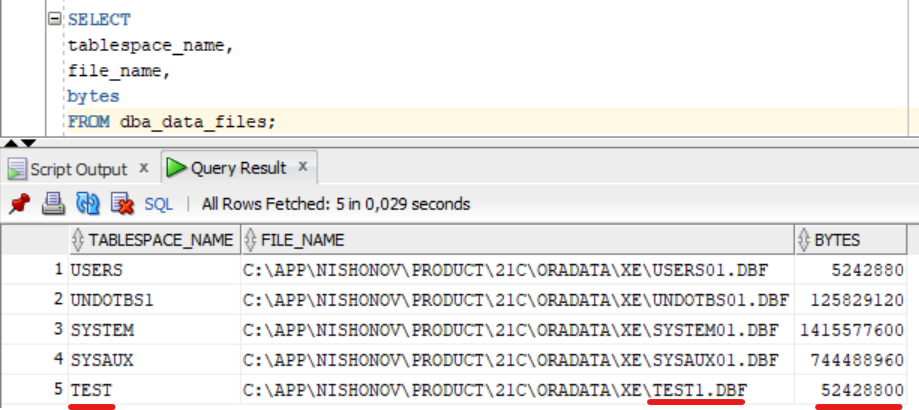


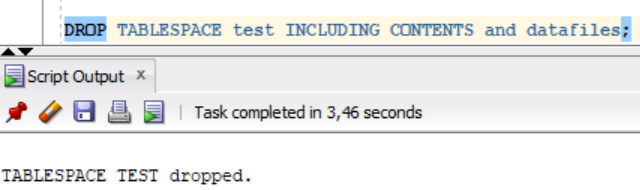
User jadval maydoni:



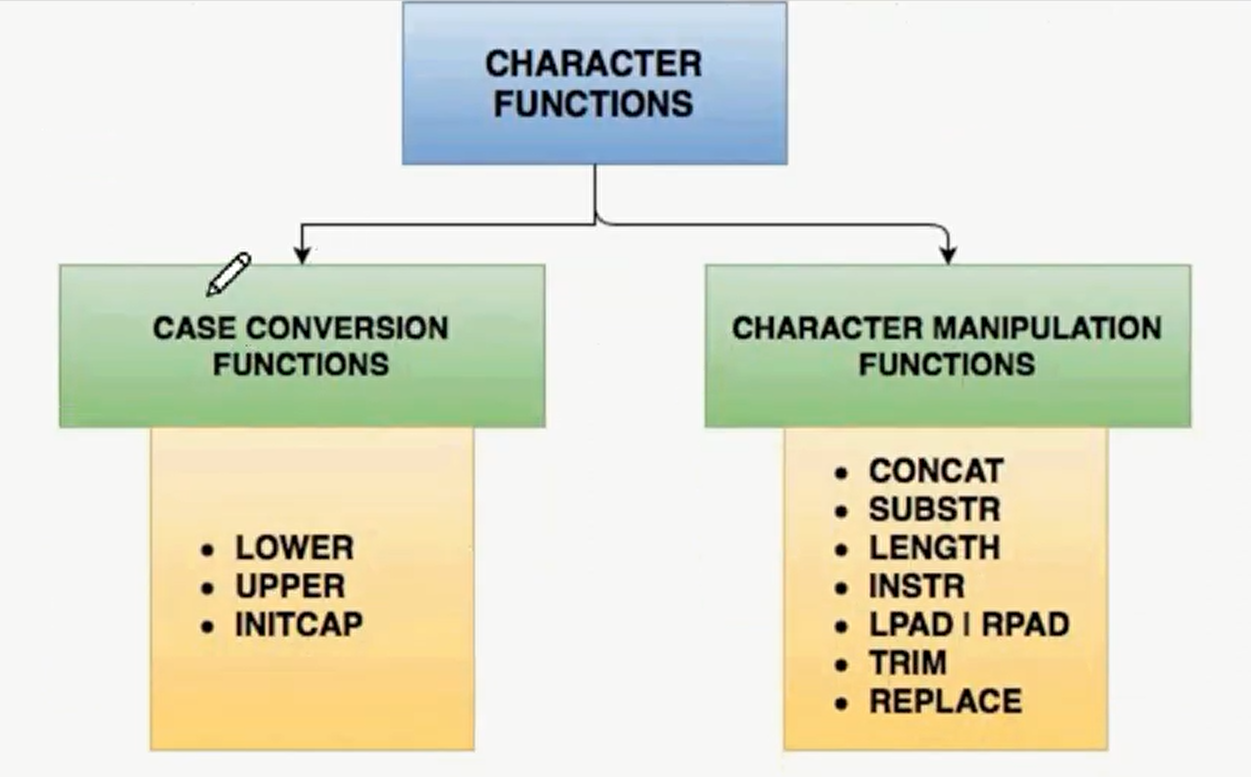






# FUNCTIONS

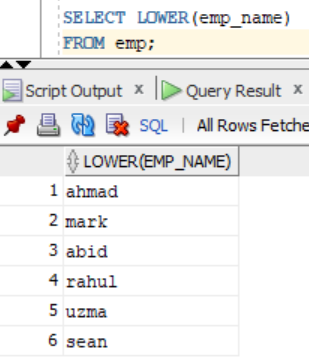
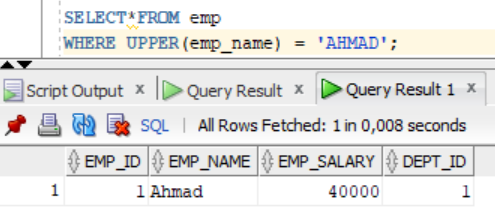
## STRING FUNCTIONS

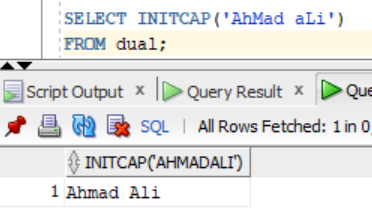


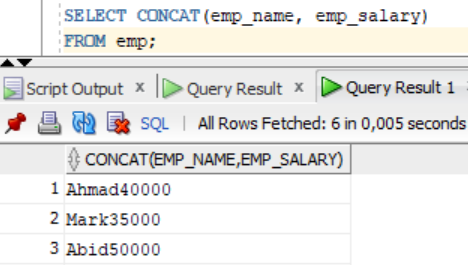
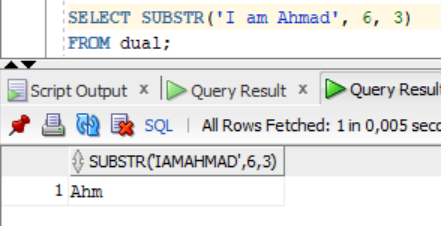
LOWER(...) — barchasi kichik harflar

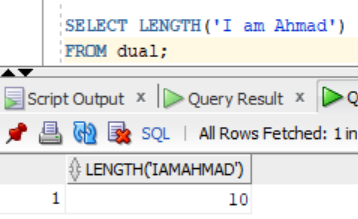
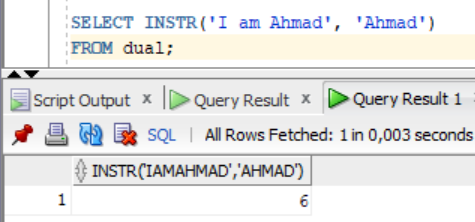
UPPER(...) — barchasi katta harflar

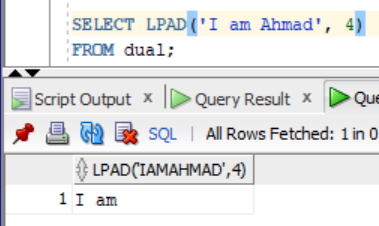
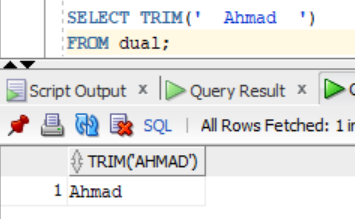
INITCAP(...) — har bir so’z katta harf bilan boshlanadi

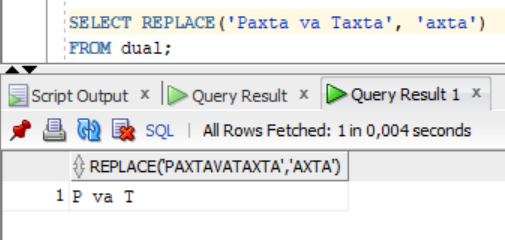




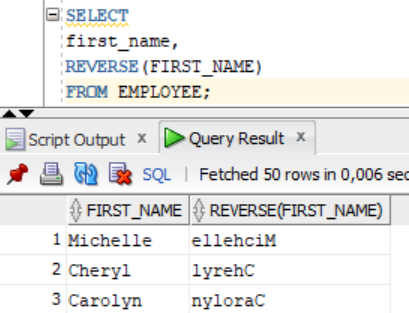
 



REVERCE 🡺 Harflarni teskari tartibda chiqaradi:



## Numeric function

CEIL(n) => CEIL(10.3) = 11

FLOOR(n) => FLOOR(10.7) = 10

ROUND(n,m) => ROUND(10.45795, 3) = 10.458

POWER(n,m) => nm => POWER(5, 3) = 125

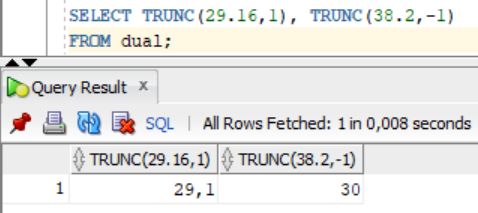
MOD(n,m) => n/m ning qoldig’i => MOD(9,5) = 4

SQRT(n) => ildiz

ABS(n) => modul => ABS(-10) = 10

TRUNC(n,m) => TRUNC(29.16, 1) = 29.1

TRUNC(38.2,-1) = 30



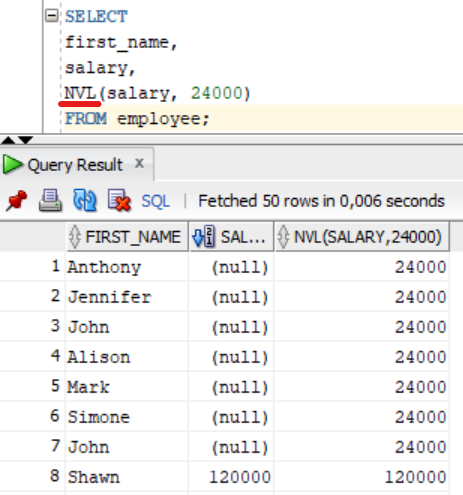
## Convertion Function

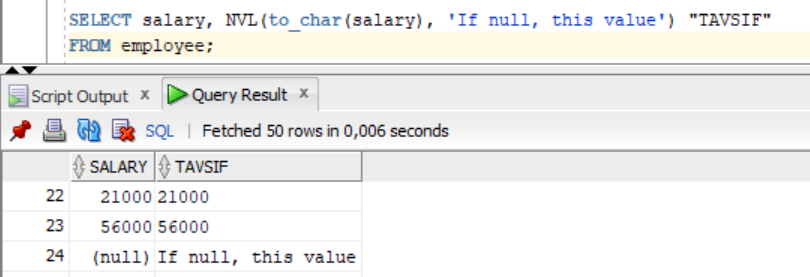
TO\_CHAR => belgilarga aylantiradi

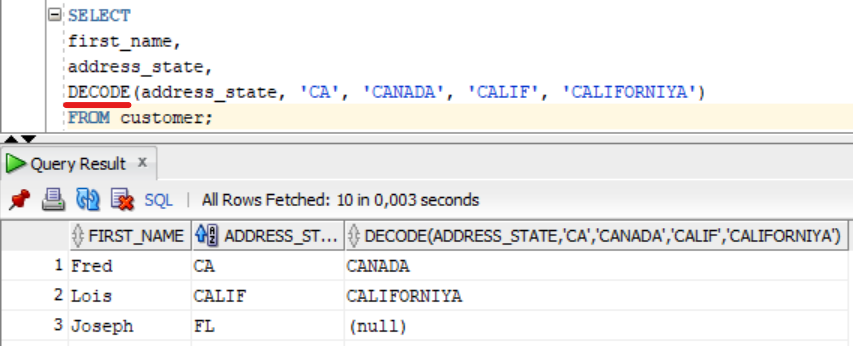
TO\_DATE => sanalarga aylantiradi

NVL => Bo’sh qiymatlarni qiymatli qilib chiqaradi.

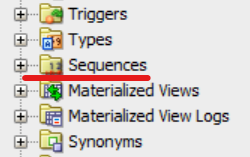
DECODE => qisqartmalarni yoyish uchun ishlatiladi.

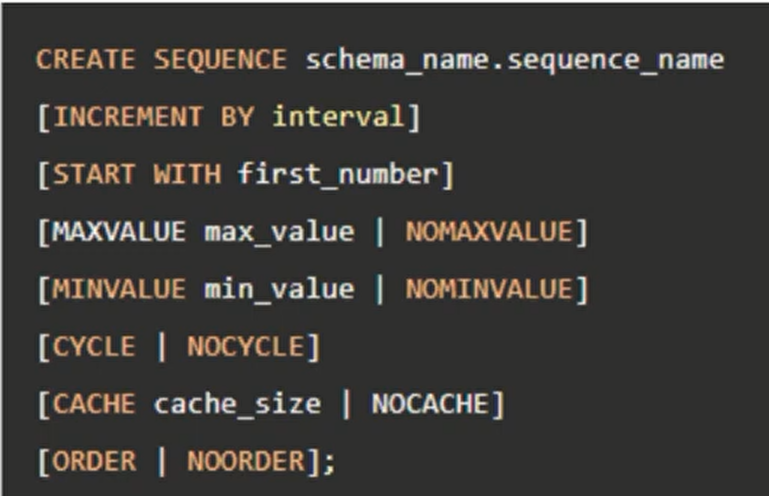




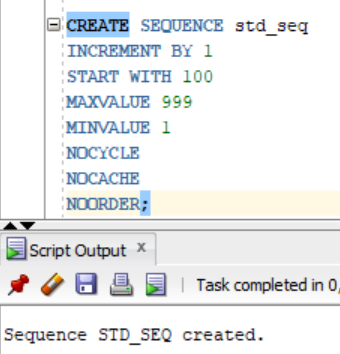


# Sequence (auto\_increment)

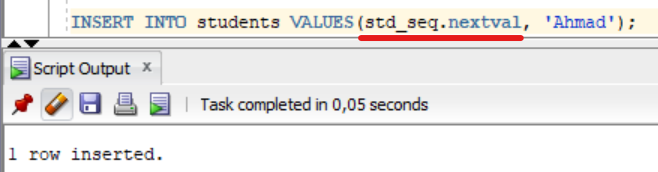




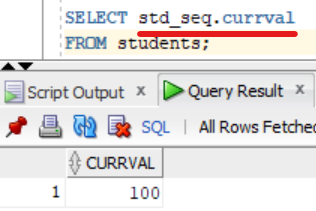
Create Sequence:



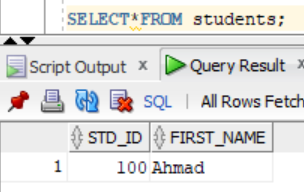
Insert into:



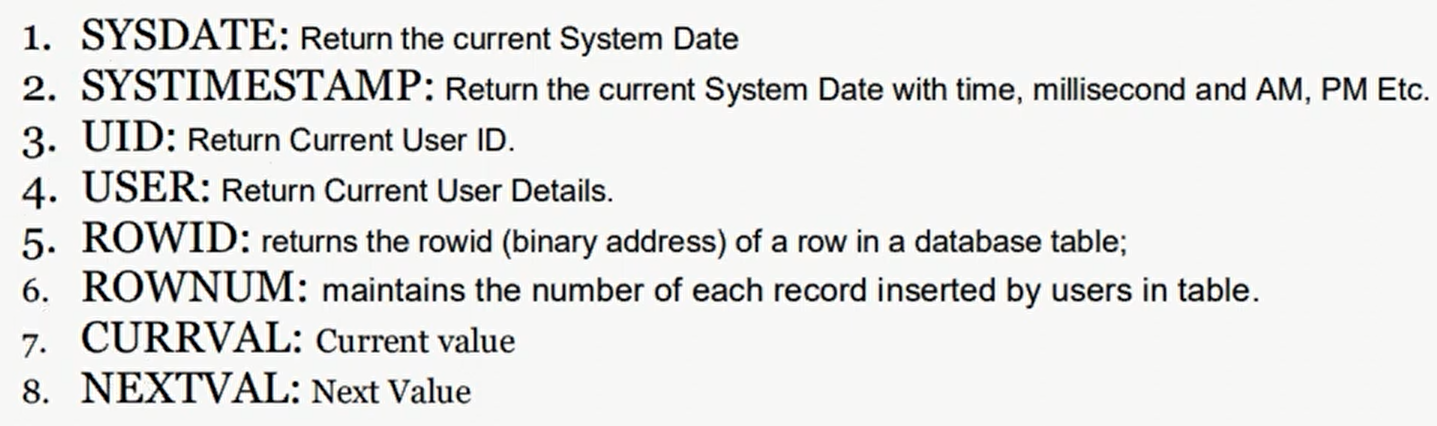
Hozirgi vaqtdagi so’nggi qiymatni aniqlash:

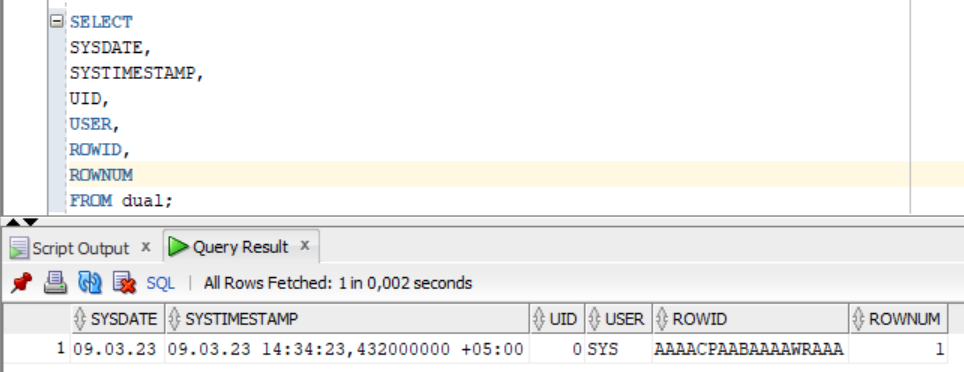


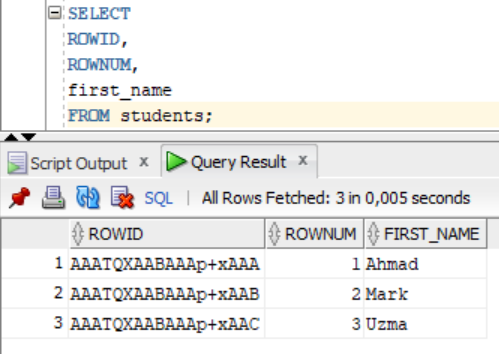
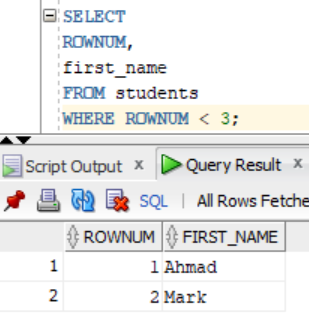
Tekshiramiz:



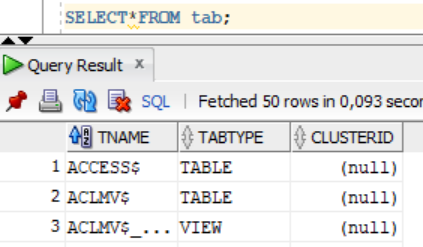
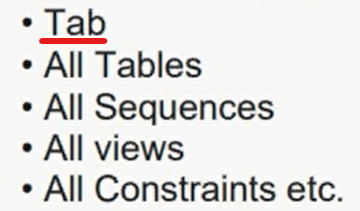
# Pseudo Columns





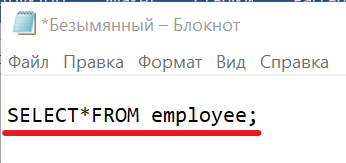
 

# Data Dictionary

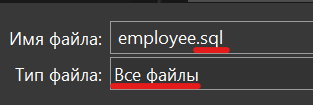
 

## Notepad file

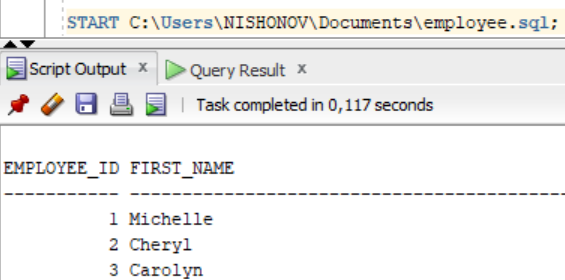
Bloknotga kerakli so’rovni yozamiz:



Sql tipda saqlaymiz:

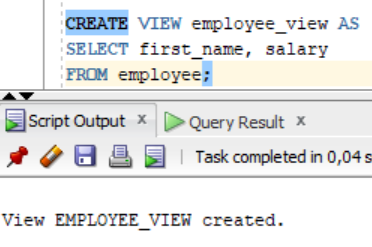


Sql developerda ***START*** bilan faylni chaqiramiz:

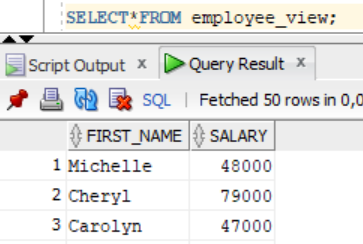


# View

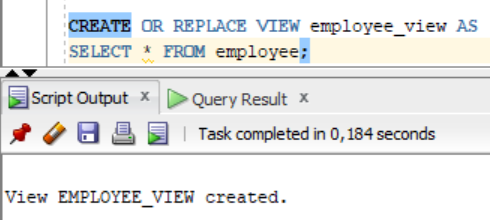
*View*ni yaratish:



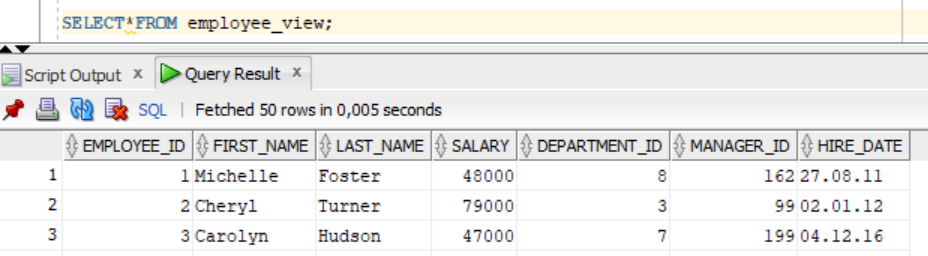
*View*ni ko’rish:



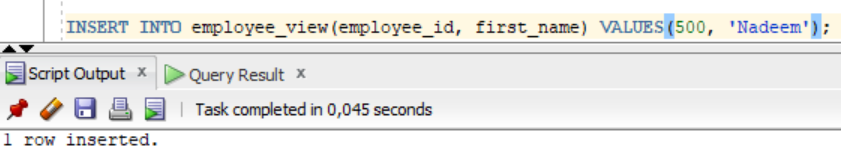
*View*ni o’zgartirish:



O’zgartirilgan *view*ni ko’rish:

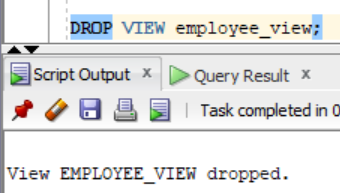


*View*ga Insert qilamiz:



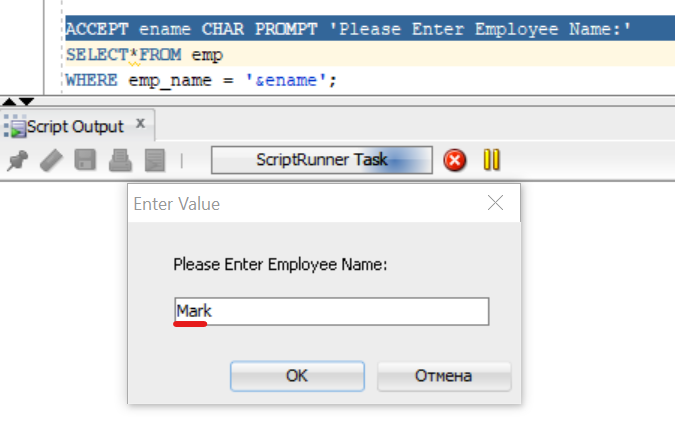
Kiritilgan ma’lumot jadvalga qo’shildi.

*View*ni o’chirish:

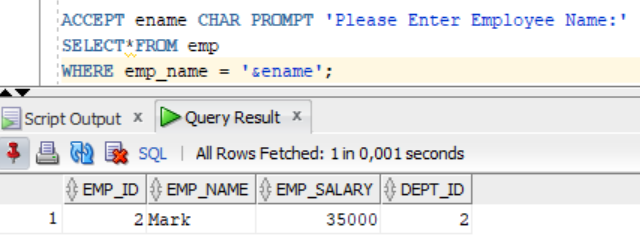


# Input Variable

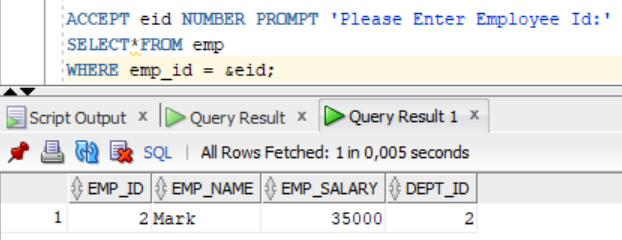
Qiymat kiritib javob olish:



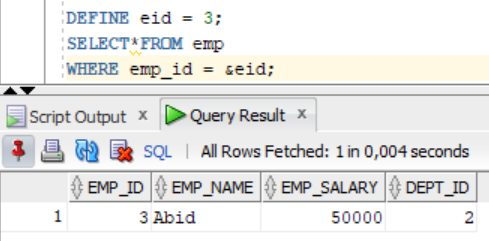
Javob:



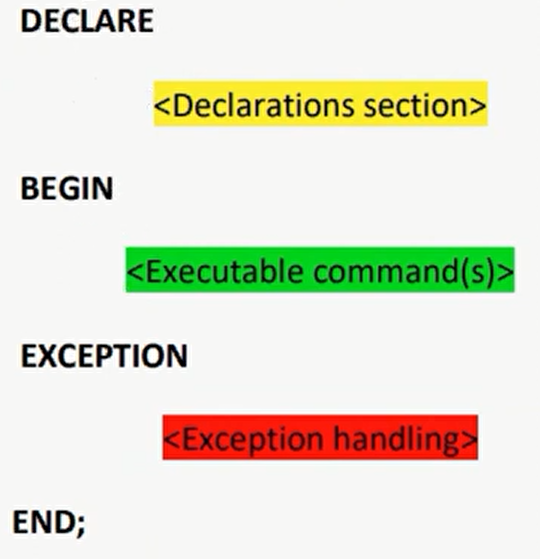
2-variant. Nomer kiritiladi:



## Define variable

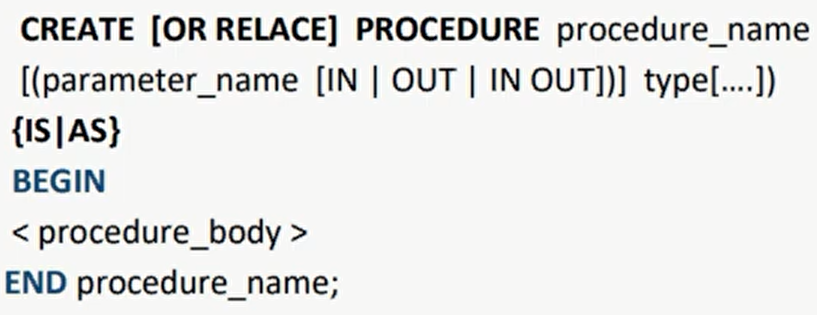


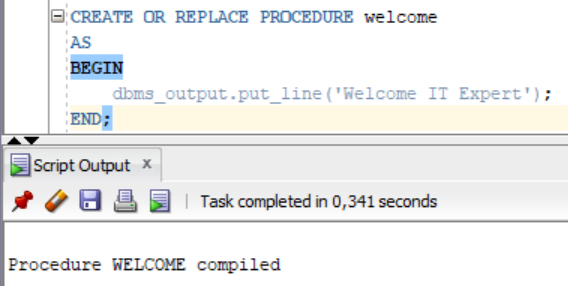
# PL/SQL

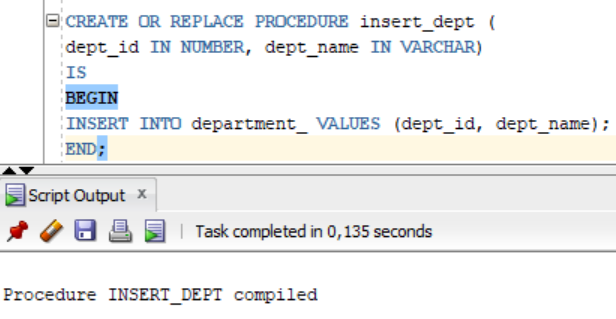


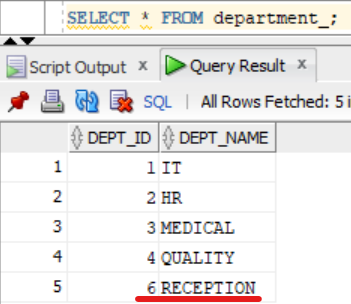
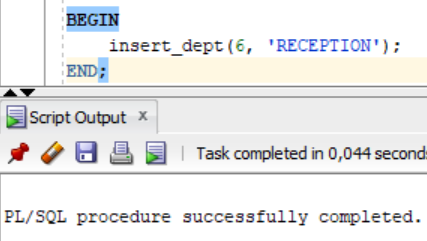
# PL/SQL Procedure

Syntax:









6:08