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| EPAM Systems, RD Dep. |
| MTN.BI.08 Materialized Views |

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| REVISION HISTORY | | | | | |
| Ver. | Description of Change | Author | Date | Approved | |
| Name | Effective Date |
| 1.0 | Initial status | [Kiryl Bucha](mailto:Kiryl_Bucha@epam.com) | 12-JAN-2012 |  |  |
| 2.0 | Updated in accordance with renewed content | [Elias Nema](mailto:Elias_Nema@epam.com) | 20-JAN-2014 |  |  |
| 3.0 | Report on the task | Vitaliya Adamchuk | 02-DEC-2017 |  |  |

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# Materialized Views- Basic

## Create Materialized Views - ON DEMAND

Take any "report" SQL from Lab Work 02 and create Materialized View based on it. Refresh type is ON DEMAND.

* Use Standard CREATE MATERIALIZED VIEW CLAUSE.
* Use DBMS\_MVIEW package to refresh Mat View.

## Create Materialized Views - ON COMMIT

Take any "report" SQL from Lab Work 02 and create Materialized View based on it. Refresh type is ON COMMIT.

* Use Standard CREATE MATERIALIZED VIEW CLAUSE.
* Tests ON COMMIT REFRESH.

# Fact Table Loading

Create packages to load fact table to the presentation layer.

# Task Results

Create required objects:

* Put objects script to Git.
* Prepare Document with Screenshot of Tests Data.
* Prepare Document with Screenshot of Refreshing Mat View script.

Creation of materialized view on demand:

CREATE MATERIALIZED VIEW mv\_rep2

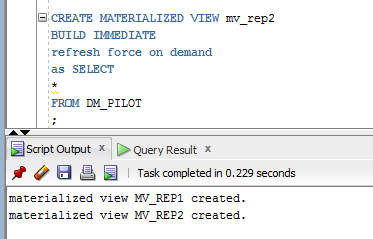
BUILD IMMEDIATE

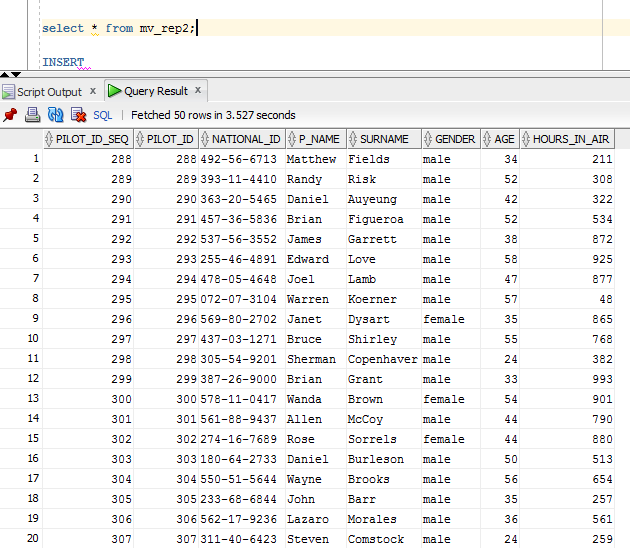
refresh force on demand

as SELECT

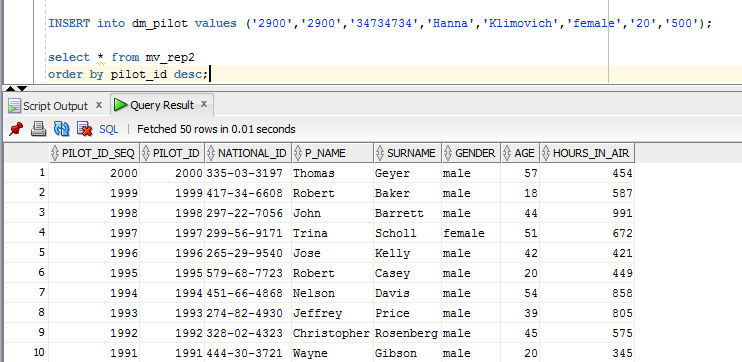
\*

FROM DM\_PILOT

;



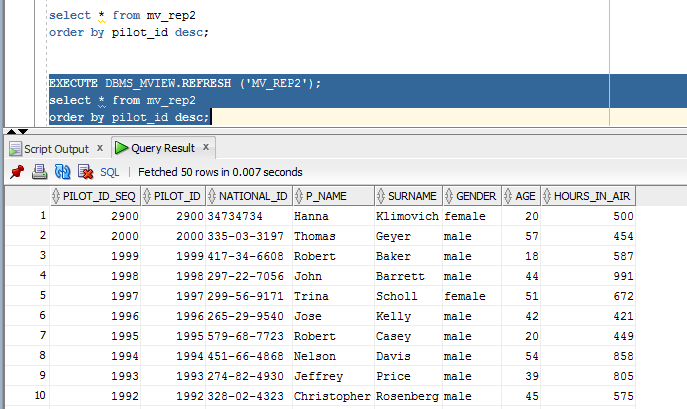
INSERT into dm\_pilot values ('2900','2900','34734734','Hanna','Klimovich','female','20','500');



EXECUTE DBMS\_MVIEW.REFRESH ('MV\_REP2');

select \* from mv\_rep2

order by pilot\_id desc;



Creating MV on commit:

* Same view named as mv\_rep1

CREATE MATERIALIZED VIEW LOG ON dm\_pilot

WITH ROWID, SEQUENCE(pilot\_id) INCLUDING NEW VALUES;

