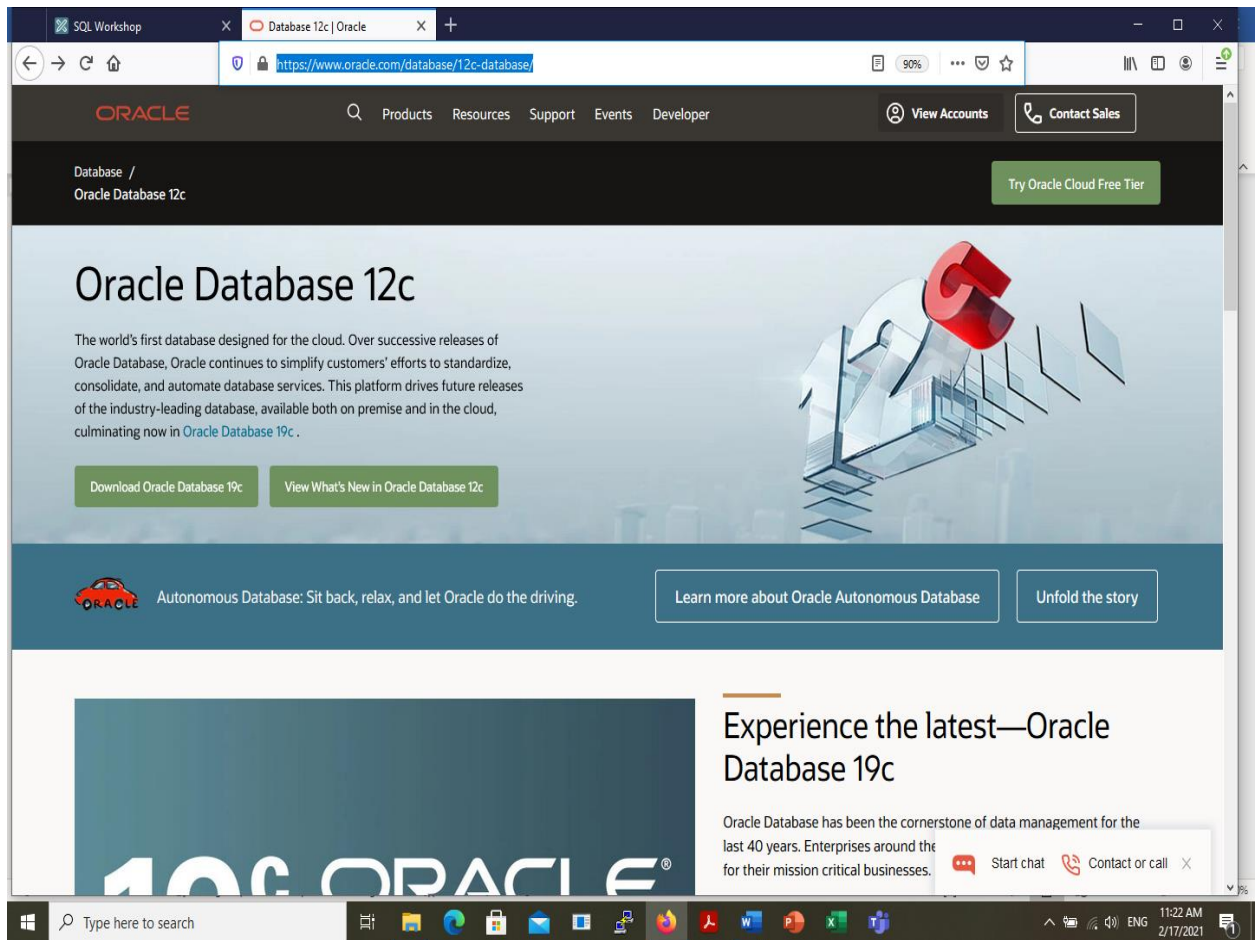


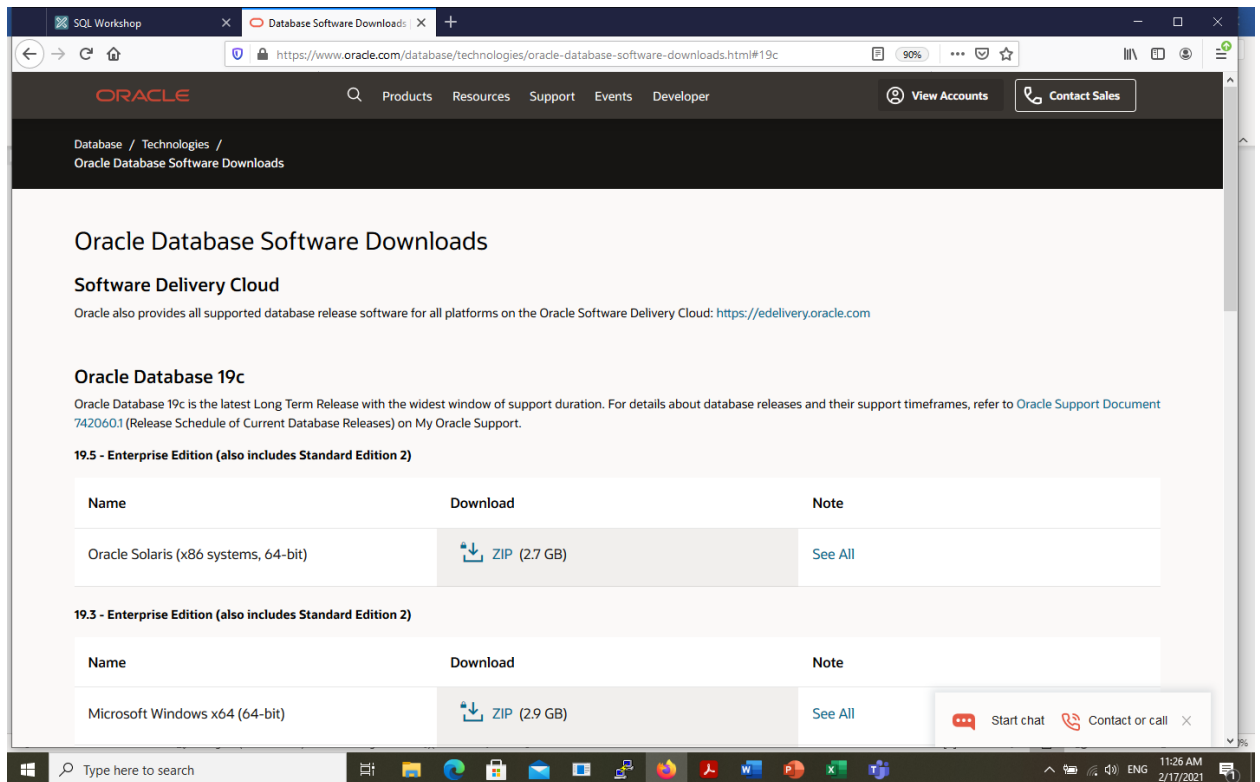
Instalare baza de date Oracle Database 19c

Pentru instalarea si crearea bazei de date se parcurg urmatoorii pasi:

1. Se face download la kit-ul de instalare Oracle Database 19c

<https://www.oracle.com/database/12c-database/>



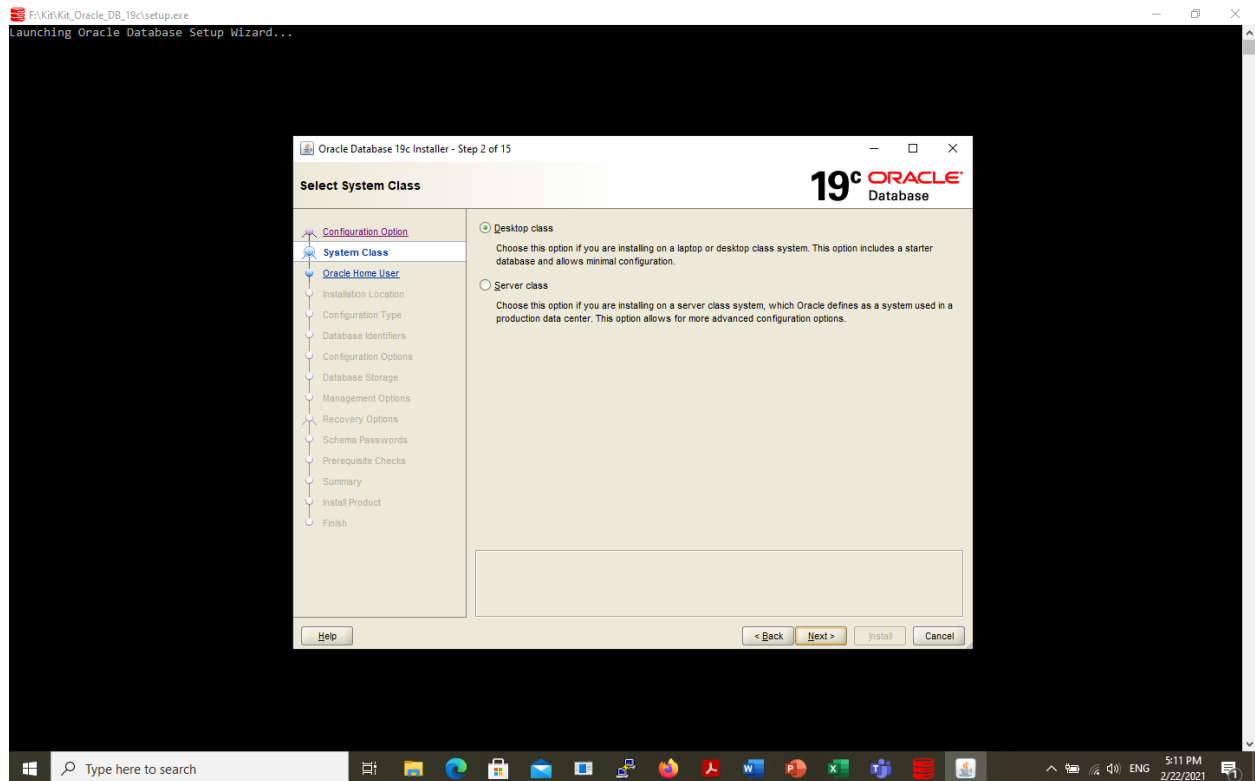
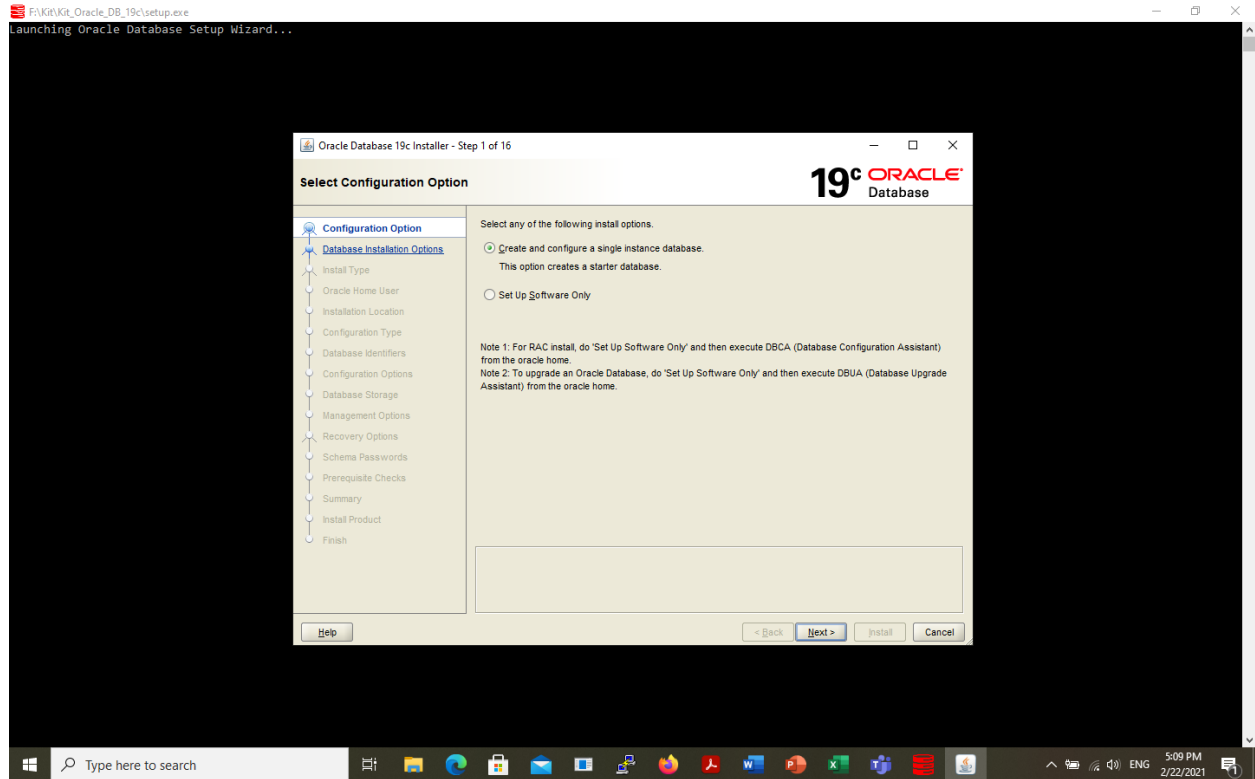


2. Se porneste aplicatia Setup pentru instalarea bazei de date si se parcurg pasii de instalare

Obs. Pentru a rula aplicatia trebuie avut privilegiul de administrator in SO (Run Setup as Administrator).

- In continuare se parcurg ferestrele aplicatiei si se fac unele setari, asa cum se vede in capturile de ecran de mai jos:





Specify Oracle Home User

Configuration Option
System Class
Oracle Home User
Installation Location
Configuration Type
Database Identifiers
Configuration Options
Database Storage
Management Options
Recovery Options
Schema Passwords
Prerequisite Checks
Summary
Install Product
Finish

For enhanced security, you may choose to run Windows Services from this Oracle home with a non-administrator account. Oracle recommends that you choose a Virtual Account or specify a standard Windows User Account for this purpose.

☐ Use Virtual Account

☐ Use Existing Windows User

User Name:

Password:

☒ Create New Windows User

User Name:

Password:

Confirm Password:

The newly created user is denied Windows logon privileges.

☐ Use Windows Built-in Account

Typical Install Configuration

Configuration Option
System Class
Oracle Home User
Typical Installation
Prerequisite Checks
Summary
Install Product
Finish

Perform full database installation with basic configuration.

Oracle base:

Software location:

Database file location:

Database edition:

Character set:

Global database name:

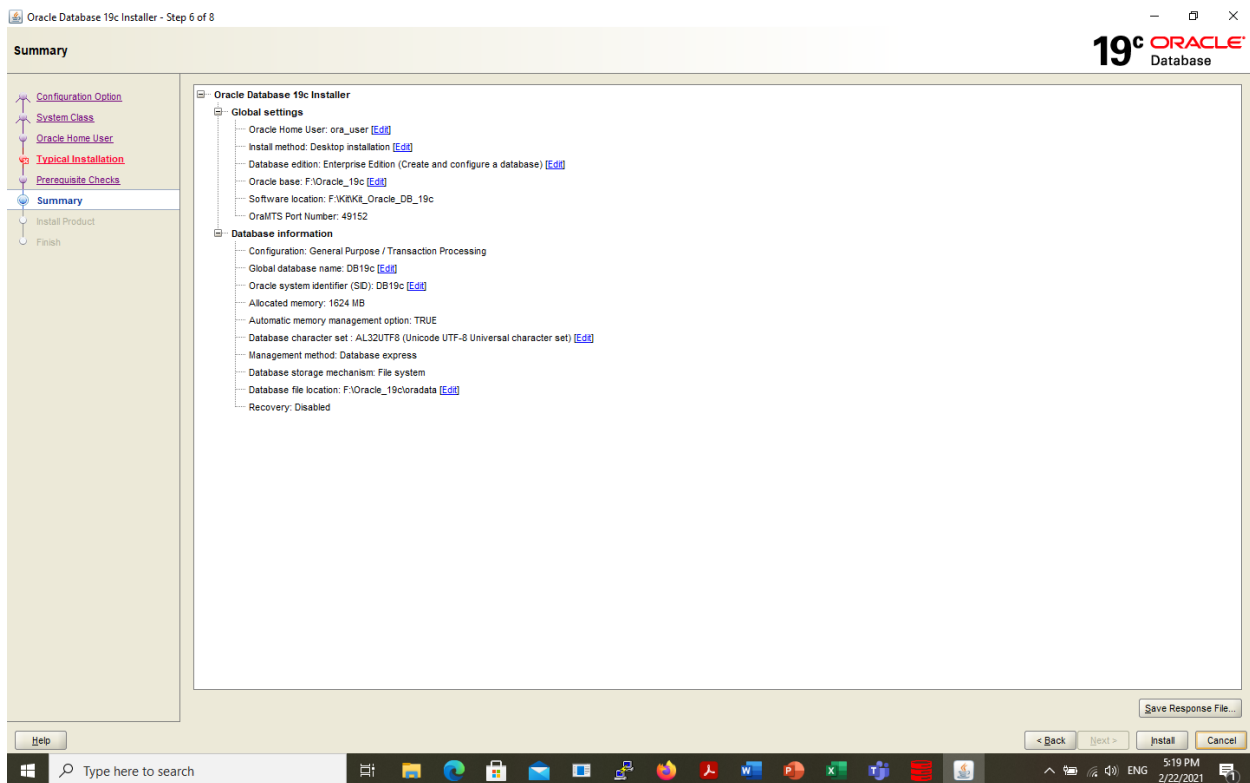
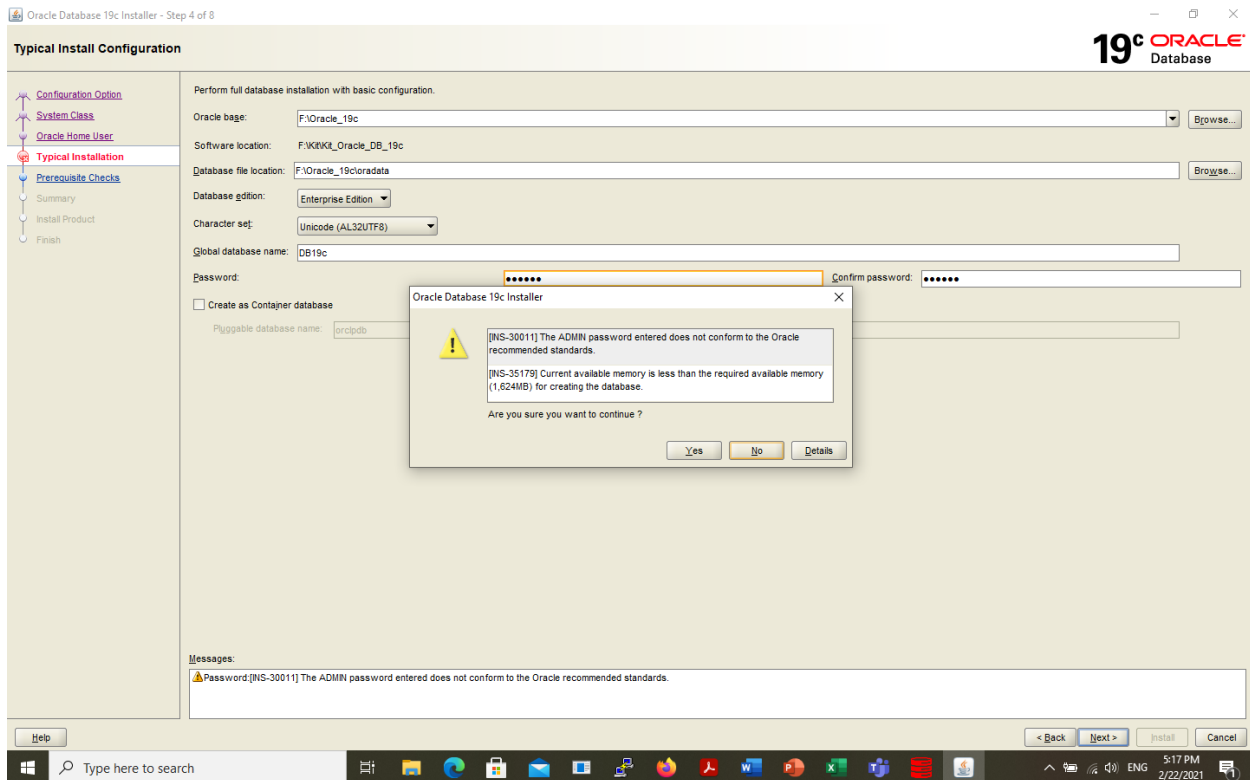
Password: Confirm password:

☐ Create as Container database

Pluggable database name:

Messages:

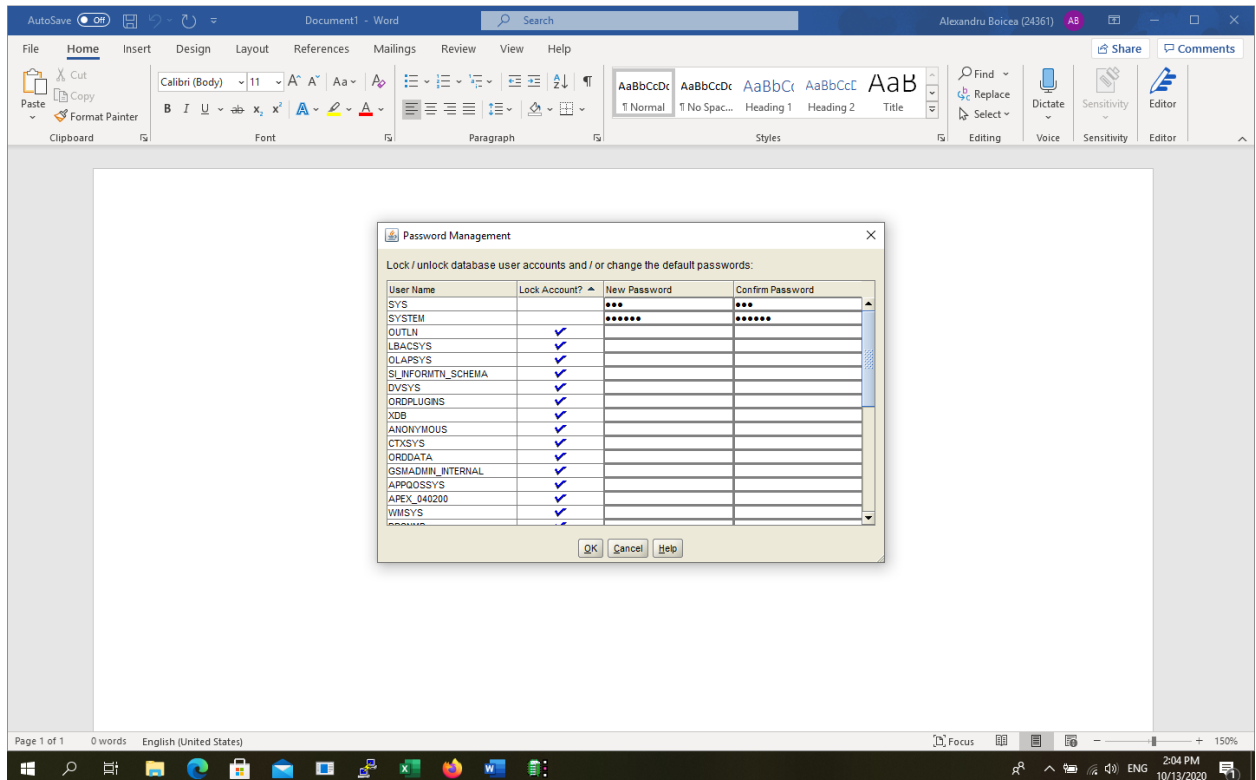
⚠ Password:[INS-30011] The ADMIN password entered does not conform to the Oracle recommended standards.



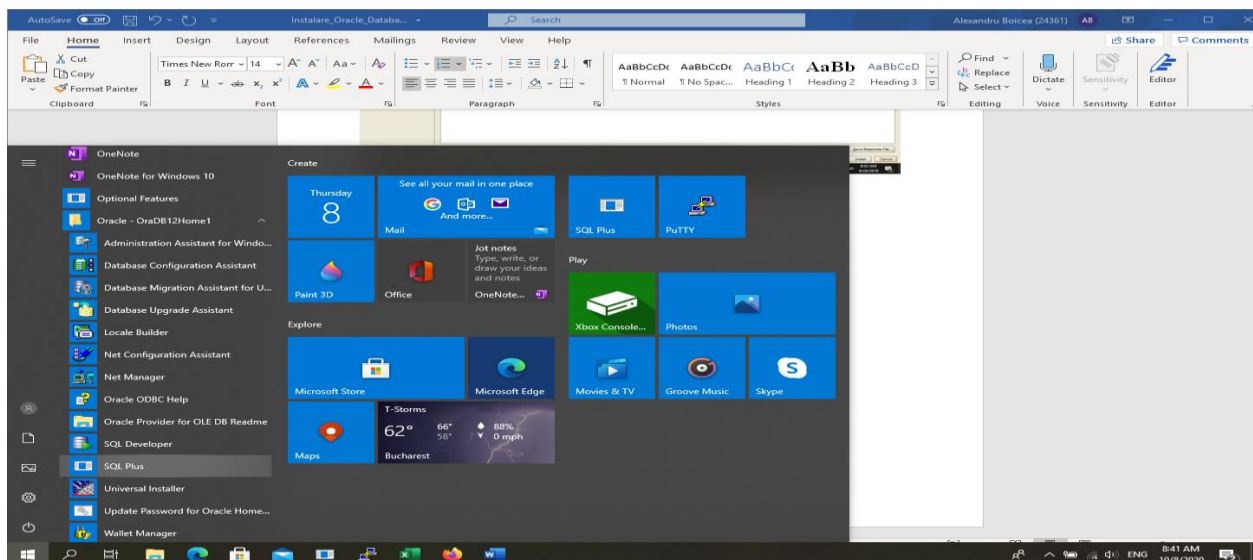
- Daca sumarul de instalare creat pe baza optiunilor anterioare este OK se poate porni instalarea cu optiunea **Install**.

Obs.

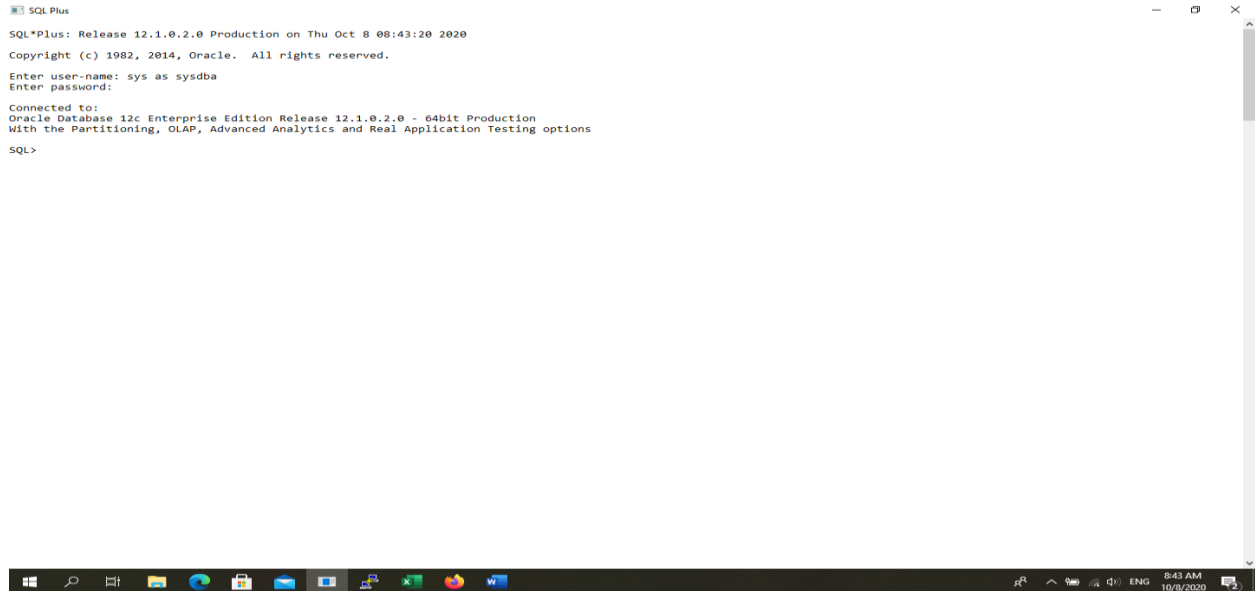
- In ultima fereastră a instalarii se pot debloca userii deja creati odata cu baza de date (SYS, SYSTEM, SCOTT) cu optiunea Unlock.
- Se pot seta si parolele userilor de system SYS si SYSTEM si retineti aceste parole pentru administrarea bazei de date. La fel si pentru userul SCOTT.
- Userul SCOTT este userul didactic de la Oracle cu care se va lucra la laborator.



3. Se porneste utilitarul SQL*Plus



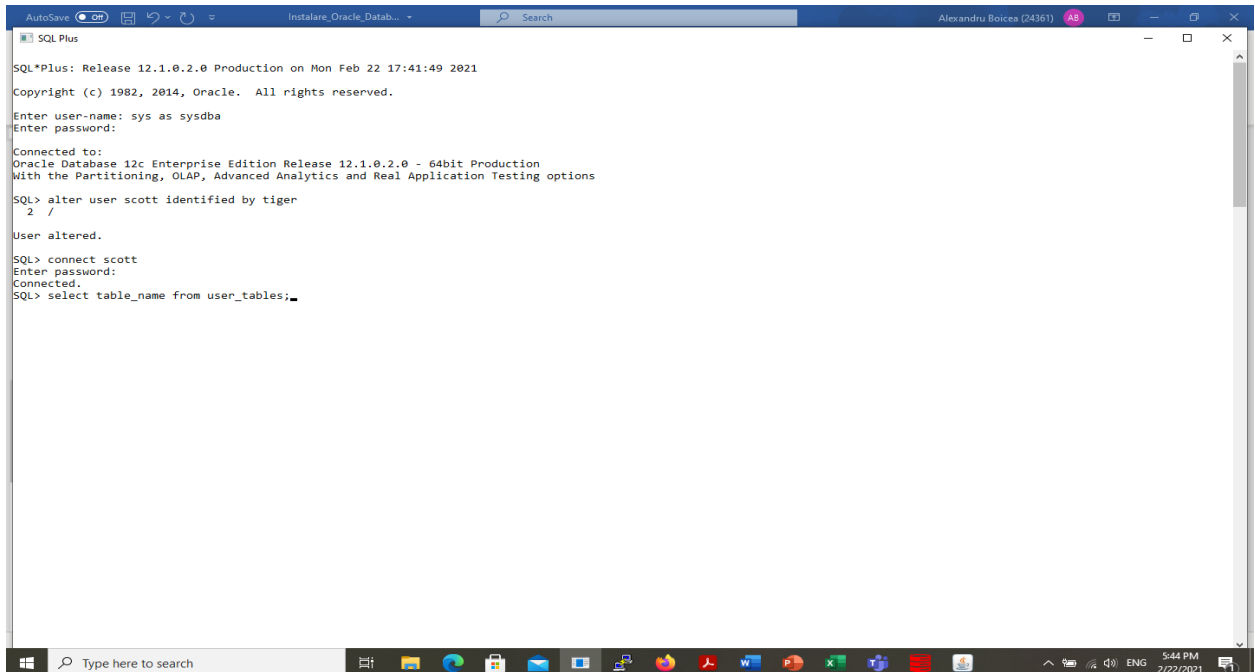
4. Se conecteaza cu userul SYS (rolul SYSDBA) si parola de system specificata la instalare



```
SQL*Plus
SQL*Plus: Release 12.1.0.2.0 Production on Thu Oct 8 08:43:20 2020
Copyright (c) 1982, 2014, Oracle. All rights reserved.
Enter user-name: sys as sysdba
Enter password:
Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options
SQL>
```

5. Se conecteaza apoi in userul didactic SCOTT

- Daca userul SCOTT este in starea lock se deblocheaza mai intai cu comanda:
SQL> alter user scott unlock;
- Se poate seta si parola userului SCOTT (parola implicita este *tiger*)
SQL> alter user scott identified by tiger;

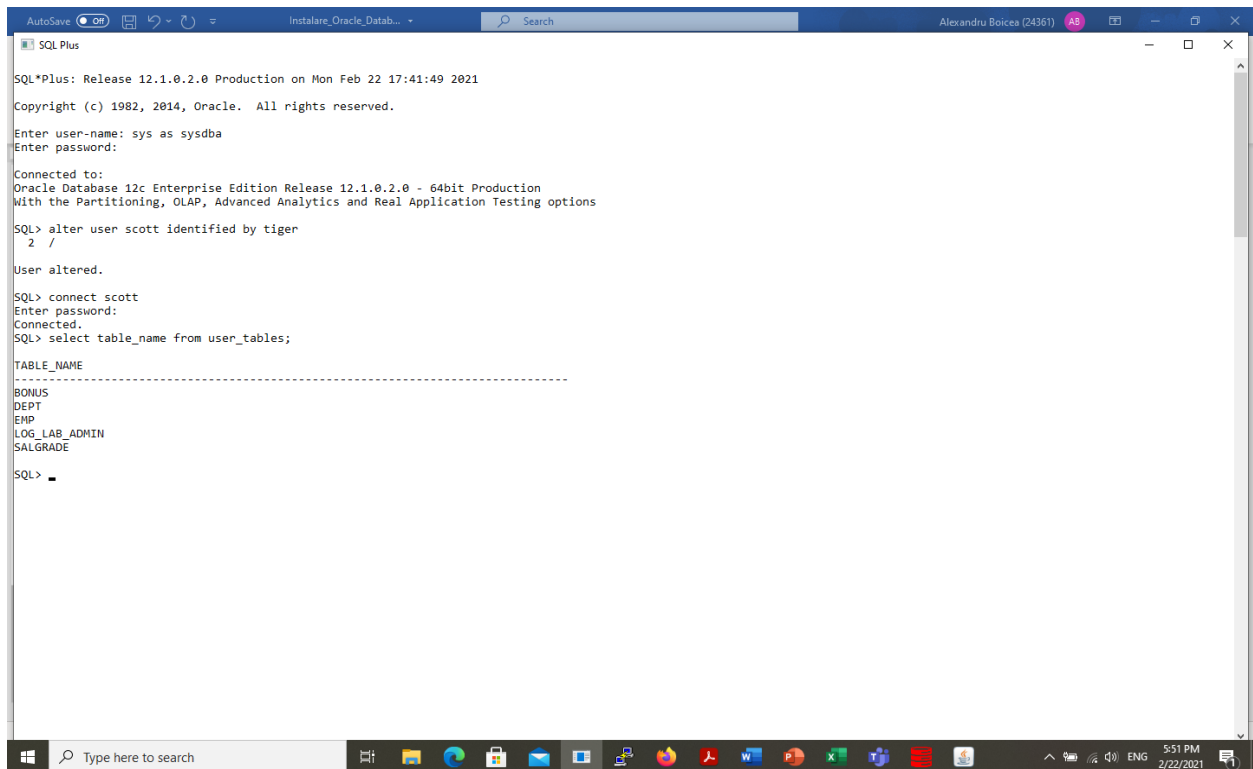


```
AutoSave ON
Instalare_Oracle_Datab...
Search
Alexandru Boicea (24361)
SQL*Plus
SQL*Plus: Release 12.1.0.2.0 Production on Mon Feb 22 17:41:49 2021
Copyright (c) 1982, 2014, Oracle. All rights reserved.
Enter user-name: sys as sysdba
Enter password:
Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options
SQL> alter user scott identified by tiger
2 /
User altered.
SQL> connect scott
Enter password:
Connected.
SQL> select table_name from user_tables;
```

6. Se creeaza baza de date pentru suportul de curs parcurgand pasii specificati in fisierul **Creare_tabele_lab_oral9c.txt** pentru crearea bazei de date incarcat in Moodle

- Se verifica mai intai in userul SCOTT daca sunt create tabelele didactice DEPT, EMP, SALGRADE, BONUS cu comanda:

SQL> select table_name from user_tables;



```
SQL*Plus: Release 12.1.0.2.0 Production on Mon Feb 22 17:41:49 2021
Copyright (c) 1982, 2014, Oracle. All rights reserved.
Enter user-name: sys as sysdba
Enter password:
Connected to:
Oracle Database 12c Enterprise Edition Release 12.1.0.2.0 - 64bit Production
With the Partitioning, OLAP, Advanced Analytics and Real Application Testing options
SQL> alter user scott identified by tiger
2 /
User altered.
SQL> connect scott
Enter password:
Connected.
SQL> select table_name from user_tables;

TABLE_NAME
-----
BONUS
DEPT
EMP
LOG_LAB_ADMIN
SALGRADE
SQL>
```

- Daca tabelele DEPT, EMP, SALGRADE, BONUS **nu sunt create** se executa in SQL*Plus cu Copy/Paste comenzile din scriptul **Creare_tabele_lab_oral9c.txt** incarcat in Moodle. Comenzile din script se executa pentru:
 - Crearea tabelelor didactice Oracle: DEPT, EMP, SALGRADE, BONUS.
 - Inserarea datelor in tabelele didactice Oracle.
 - Crearea tabelelor de lucru: DEPARTAMENTE, ANGAJATI, GRILA_SALARIU.
 - Inserarea datelor in tabelele de lucru prin preluarea lor din tabelele didactice Oracle.
- Daca tabelele DEPT, EMP, SALGRADE, BONUS **sunt create** se executa in SQL*Plus cu Copy/Paste comenzile din scriptul **Creare_tabele_lab_oral9c.txt** pentru:
 - Crearea tabelelor de lucru: DEPARTAMENTE, ANGAJATI, GRILA_SALARIU.
 - Inserarea datelor in tabelele de lucru prin preluarea lor din tabelele didactice Oracle.

7. Daca userul SCOTT nu a fost creat la instalarea bazei de date se poate crea in SQL*Plus dupa conectarea cu userul SYS (as sysdba):

SQL> connect SYS as sysdba

SQL> create user SCOTT identified by tiger;

SQL> grant DBA to SCOTT;

SQL> connect SCOTT/tiger