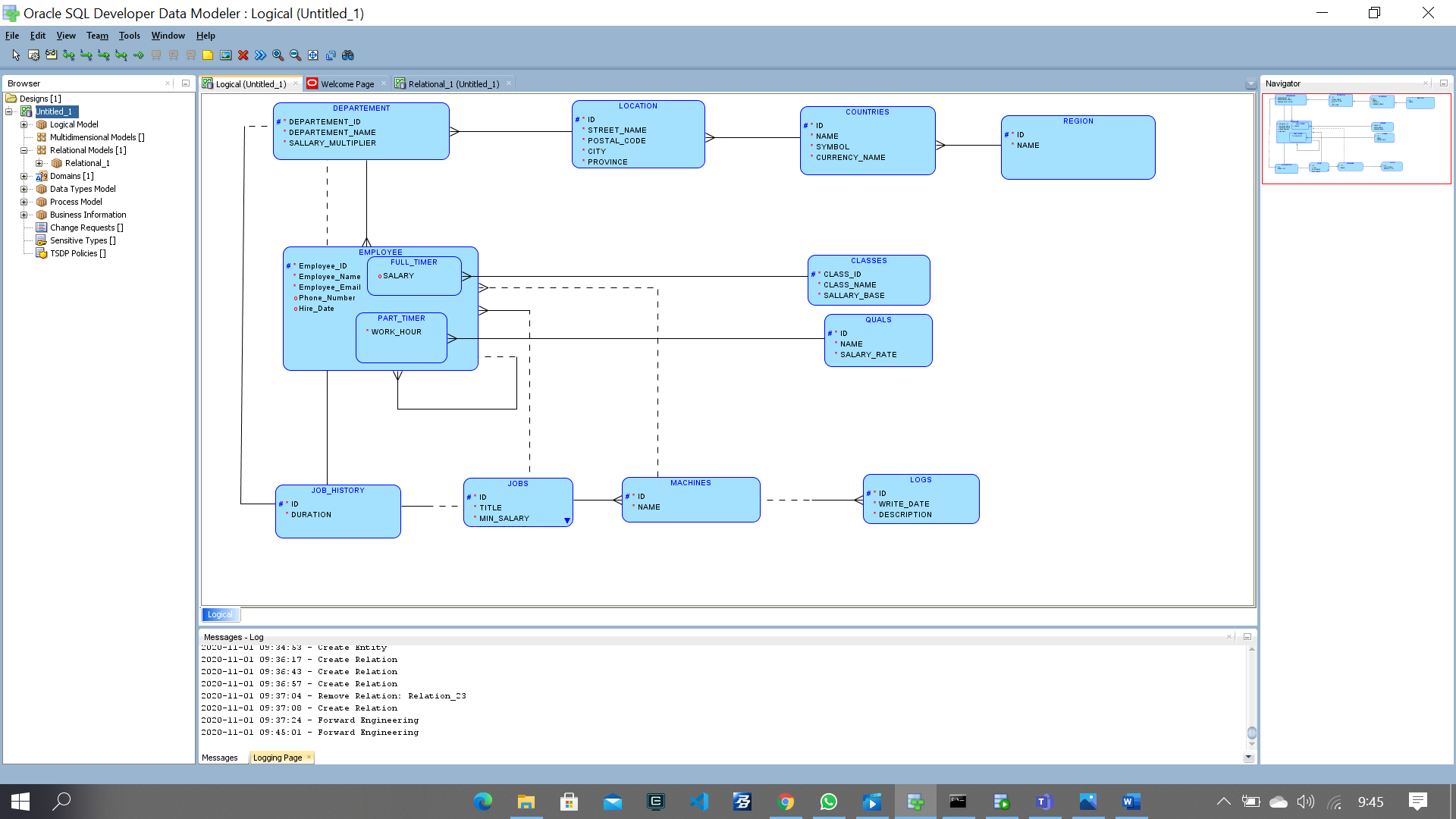
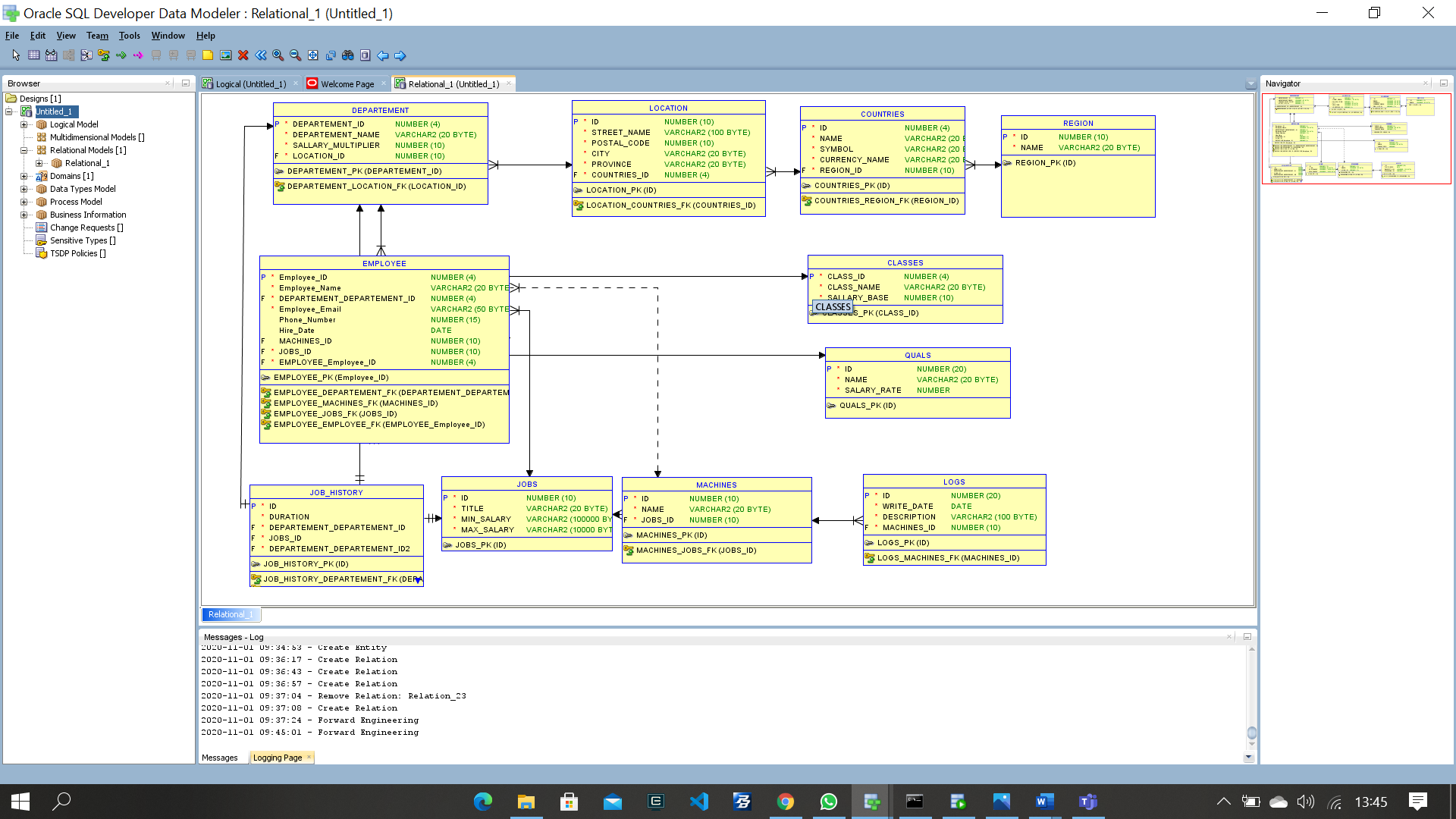
1. Logical



1. Reltaion



1. DDL

-- Generated by Oracle SQL Developer Data Modeler 20.2.0.167.1538

-- at: 2020-11-01 09:47:41 ICT

-- site: Oracle Database 11g

-- type: Oracle Database 11g

-- predefined type, no DDL - MDSYS.SDO\_GEOMETRY

-- predefined type, no DDL - XMLTYPE

CREATE TABLE classes (

class\_id NUMBER(4) NOT NULL,

class\_name VARCHAR2(20 BYTE) NOT NULL,

sallary\_base NUMBER(10) NOT NULL

);

ALTER TABLE classes ADD CONSTRAINT classes\_pk PRIMARY KEY ( class\_id );

CREATE TABLE countries (

id NUMBER(4) NOT NULL,

name VARCHAR2(20 BYTE) NOT NULL,

symbol VARCHAR2(20 BYTE) NOT NULL,

currency\_name VARCHAR2(20 BYTE) NOT NULL,

region\_id NUMBER(10) NOT NULL

);

ALTER TABLE countries ADD CONSTRAINT countries\_pk PRIMARY KEY ( id );

CREATE TABLE departement (

departement\_id NUMBER(4) NOT NULL,

departement\_name VARCHAR2(20 BYTE) NOT NULL,

sallary\_multiplier NUMBER(10) NOT NULL,

location\_id NUMBER(10) NOT NULL

);

ALTER TABLE departement ADD CONSTRAINT departement\_pk PRIMARY KEY ( departement\_id );

CREATE TABLE employee (

employee\_id NUMBER(4) NOT NULL,

employee\_name VARCHAR2(20 BYTE) NOT NULL,

departement\_departement\_id NUMBER(4) NOT NULL,

employee\_email VARCHAR2(50 BYTE) NOT NULL,

phone\_number NUMBER(15),

hire\_date DATE,

machines\_id NUMBER(10),

jobs\_id NUMBER(10) NOT NULL,

employee\_employee\_id NUMBER(4) NOT NULL

);

ALTER TABLE employee ADD CONSTRAINT employee\_pk PRIMARY KEY ( employee\_id );

CREATE TABLE full\_timer (

employee\_id NUMBER(4) NOT NULL,

salary NUMBER(20),

classes\_class\_id NUMBER(4) NOT NULL

);

ALTER TABLE full\_timer ADD CONSTRAINT part\_timer\_pk PRIMARY KEY ( employee\_id );

CREATE TABLE job\_history (

id NUMBER(10) NOT NULL,

duration NUMBER(10) NOT NULL,

departement\_departement\_id NUMBER(4) NOT NULL,

jobs\_id NUMBER(10) NOT NULL,

departement\_departement\_id2 NUMBER(4) NOT NULL

);

CREATE UNIQUE INDEX job\_history\_\_idx ON

job\_history (

departement\_departement\_id

ASC );

CREATE UNIQUE INDEX job\_history\_\_idxv1 ON

job\_history (

jobs\_id

ASC );

CREATE UNIQUE INDEX job\_history\_\_idxv2 ON

job\_history (

departement\_departement\_id2

ASC );

ALTER TABLE job\_history ADD CONSTRAINT job\_history\_pk PRIMARY KEY ( id );

CREATE TABLE jobs (

id NUMBER(10) NOT NULL,

title VARCHAR2(20 BYTE) NOT NULL,

min\_salary VARCHAR2(100000 BYTE) NOT NULL,

max\_salary VARCHAR2(10000 BYTE) NOT NULL

);

ALTER TABLE jobs ADD CONSTRAINT jobs\_pk PRIMARY KEY ( id );

CREATE TABLE location (

id NUMBER(10) NOT NULL,

street\_name VARCHAR2(100 BYTE) NOT NULL,

postal\_code NUMBER(10) NOT NULL,

city VARCHAR2(20 BYTE) NOT NULL,

province VARCHAR2(20 BYTE) NOT NULL,

countries\_id NUMBER(4) NOT NULL

);

ALTER TABLE location ADD CONSTRAINT location\_pk PRIMARY KEY ( id );

CREATE TABLE logs (

id NUMBER(20) NOT NULL,

write\_date DATE NOT NULL,

description VARCHAR2(100 BYTE) NOT NULL,

machines\_id NUMBER(10) NOT NULL

);

ALTER TABLE logs ADD CONSTRAINT logs\_pk PRIMARY KEY ( id );

CREATE TABLE machines (

id NUMBER(10) NOT NULL,

name VARCHAR2(20 BYTE) NOT NULL,

jobs\_id NUMBER(10) NOT NULL

);

ALTER TABLE machines ADD CONSTRAINT machines\_pk PRIMARY KEY ( id );

CREATE TABLE part\_timer (

employee\_id1 NUMBER(4) NOT NULL,

work\_hour NUMBER(24) NOT NULL,

quals\_id NUMBER(20) NOT NULL

);

ALTER TABLE part\_timer ADD CONSTRAINT part\_timer\_pkv1 PRIMARY KEY ( employee\_id1 );

CREATE TABLE quals (

id NUMBER(20) NOT NULL,

name VARCHAR2(20 BYTE) NOT NULL,

salary\_rate NUMBER NOT NULL

);

ALTER TABLE quals ADD CONSTRAINT quals\_pk PRIMARY KEY ( id );

CREATE TABLE region (

id NUMBER(10) NOT NULL,

name VARCHAR2(20 BYTE) NOT NULL

);

ALTER TABLE region ADD CONSTRAINT region\_pk PRIMARY KEY ( id );

ALTER TABLE countries

ADD CONSTRAINT countries\_region\_fk FOREIGN KEY ( region\_id )

REFERENCES region ( id );

ALTER TABLE departement

ADD CONSTRAINT departement\_location\_fk FOREIGN KEY ( location\_id )

REFERENCES location ( id );

ALTER TABLE employee

ADD CONSTRAINT employee\_departement\_fk FOREIGN KEY ( departement\_departement\_id )

REFERENCES departement ( departement\_id );

ALTER TABLE employee

ADD CONSTRAINT employee\_employee\_fk FOREIGN KEY ( employee\_employee\_id )

REFERENCES employee ( employee\_id );

ALTER TABLE employee

ADD CONSTRAINT employee\_jobs\_fk FOREIGN KEY ( jobs\_id )

REFERENCES jobs ( id );

ALTER TABLE employee

ADD CONSTRAINT employee\_machines\_fk FOREIGN KEY ( machines\_id )

REFERENCES machines ( id );

ALTER TABLE full\_timer

ADD CONSTRAINT full\_timer\_classes\_fk FOREIGN KEY ( classes\_class\_id )

REFERENCES classes ( class\_id );

ALTER TABLE job\_history

ADD CONSTRAINT job\_history\_departement\_fk FOREIGN KEY ( departement\_departement\_id )

REFERENCES departement ( departement\_id );

ALTER TABLE job\_history

ADD CONSTRAINT job\_history\_departement\_fkv1 FOREIGN KEY ( departement\_departement\_id2 )

REFERENCES departement ( departement\_id );

ALTER TABLE job\_history

ADD CONSTRAINT job\_history\_jobs\_fk FOREIGN KEY ( jobs\_id )

REFERENCES jobs ( id );

ALTER TABLE location

ADD CONSTRAINT location\_countries\_fk FOREIGN KEY ( countries\_id )

REFERENCES countries ( id );

ALTER TABLE logs

ADD CONSTRAINT logs\_machines\_fk FOREIGN KEY ( machines\_id )

REFERENCES machines ( id );

ALTER TABLE machines

ADD CONSTRAINT machines\_jobs\_fk FOREIGN KEY ( jobs\_id )

REFERENCES jobs ( id );

ALTER TABLE full\_timer

ADD CONSTRAINT part\_timer\_employee\_fk FOREIGN KEY ( employee\_id )

REFERENCES employee ( employee\_id );

ALTER TABLE part\_timer

ADD CONSTRAINT part\_timer\_employee\_fkv2 FOREIGN KEY ( employee\_id1 )

REFERENCES employee ( employee\_id );

ALTER TABLE part\_timer

ADD CONSTRAINT part\_timer\_quals\_fk FOREIGN KEY ( quals\_id )

REFERENCES quals ( id );

-- ERROR: No Discriminator Column found in Arc FKArc\_1 - constraint trigger for Arc cannot be generated

-- ERROR: No Discriminator Column found in Arc FKArc\_1 - constraint trigger for Arc cannot be generated

-- Oracle SQL Developer Data Modeler Summary Report:

--

-- CREATE TABLE 13

-- CREATE INDEX 3

-- ALTER TABLE 29

-- CREATE VIEW 0

-- ALTER VIEW 0

-- CREATE PACKAGE 0

-- CREATE PACKAGE BODY 0

-- CREATE PROCEDURE 0

-- CREATE FUNCTION 0

-- CREATE TRIGGER 0

-- ALTER TRIGGER 0

-- CREATE COLLECTION TYPE 0

-- CREATE STRUCTURED TYPE 0

-- CREATE STRUCTURED TYPE BODY 0

-- CREATE CLUSTER 0

-- CREATE CONTEXT 0

-- CREATE DATABASE 0

-- CREATE DIMENSION 0

-- CREATE DIRECTORY 0

-- CREATE DISK GROUP 0

-- CREATE ROLE 0

-- CREATE ROLLBACK SEGMENT 0

-- CREATE SEQUENCE 0

-- CREATE MATERIALIZED VIEW 0

-- CREATE MATERIALIZED VIEW LOG 0

-- CREATE SYNONYM 0

-- CREATE TABLESPACE 0

-- CREATE USER 0

--

-- DROP TABLESPACE 0

-- DROP DATABASE 0

--

-- REDACTION POLICY 0

--

-- ORDS DROP SCHEMA 0

-- ORDS ENABLE SCHEMA 0

-- ORDS ENABLE OBJECT 0

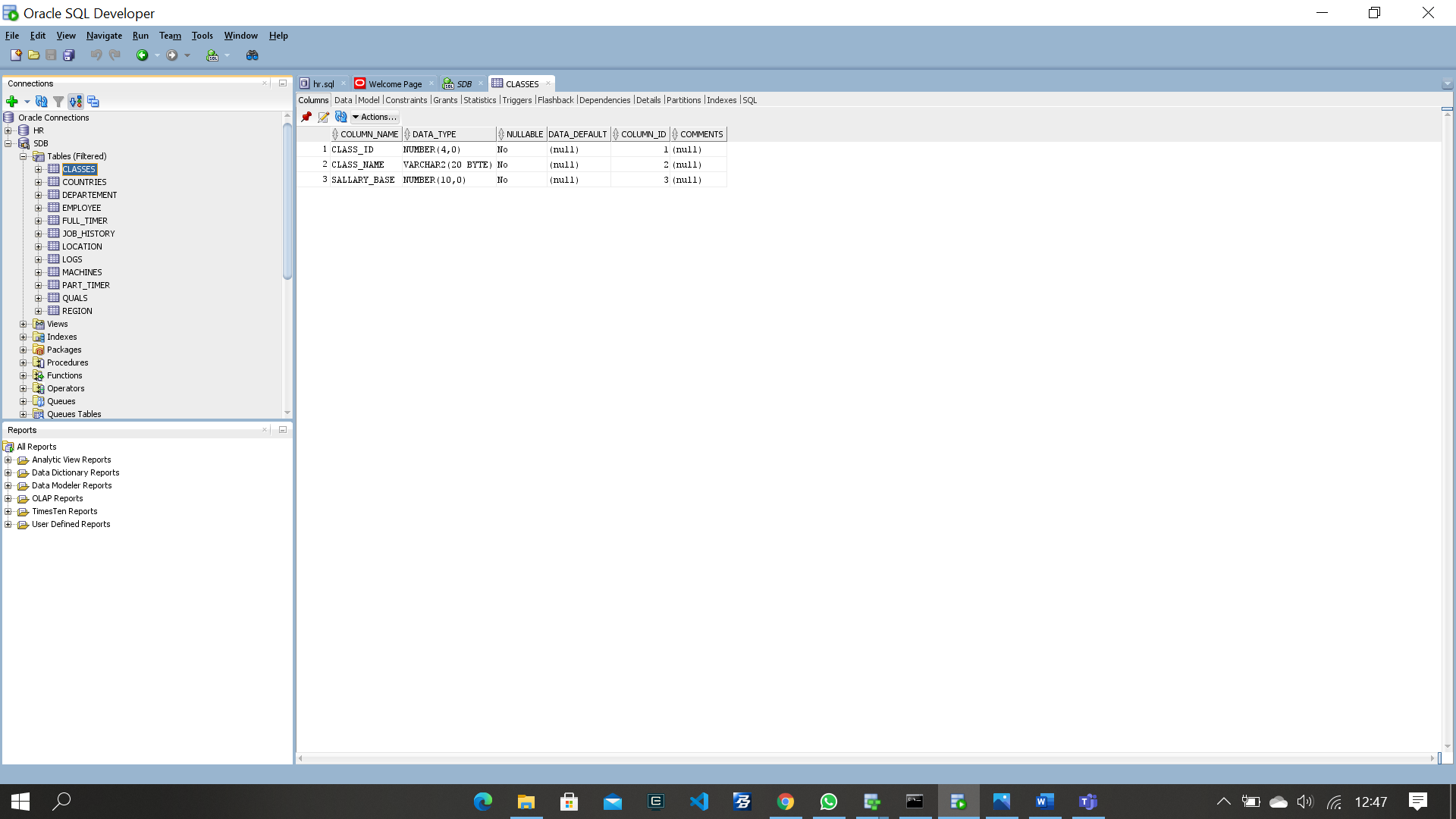
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-- ERRORS 2

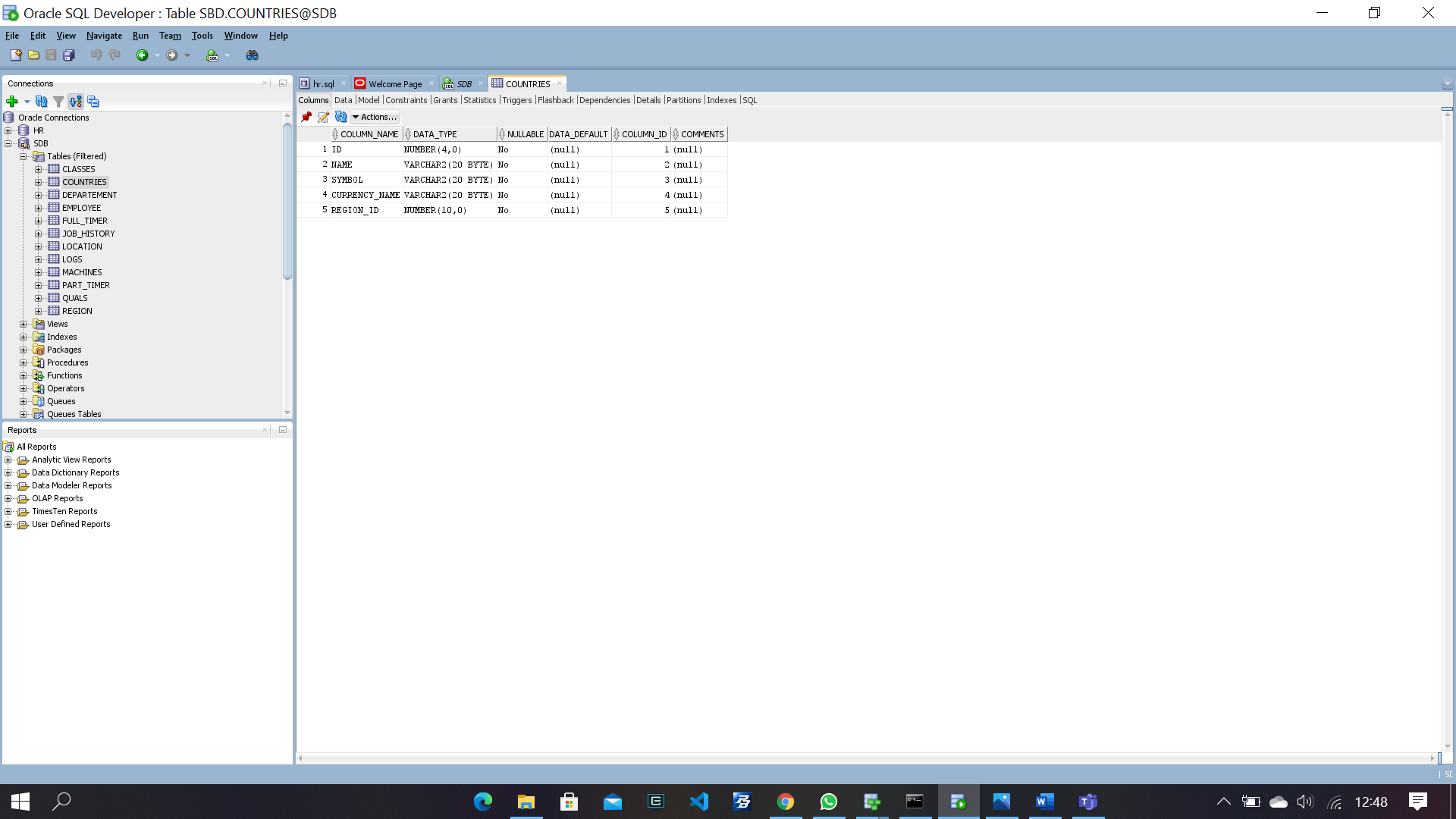
-- WARNINGS 0

1. Tables :

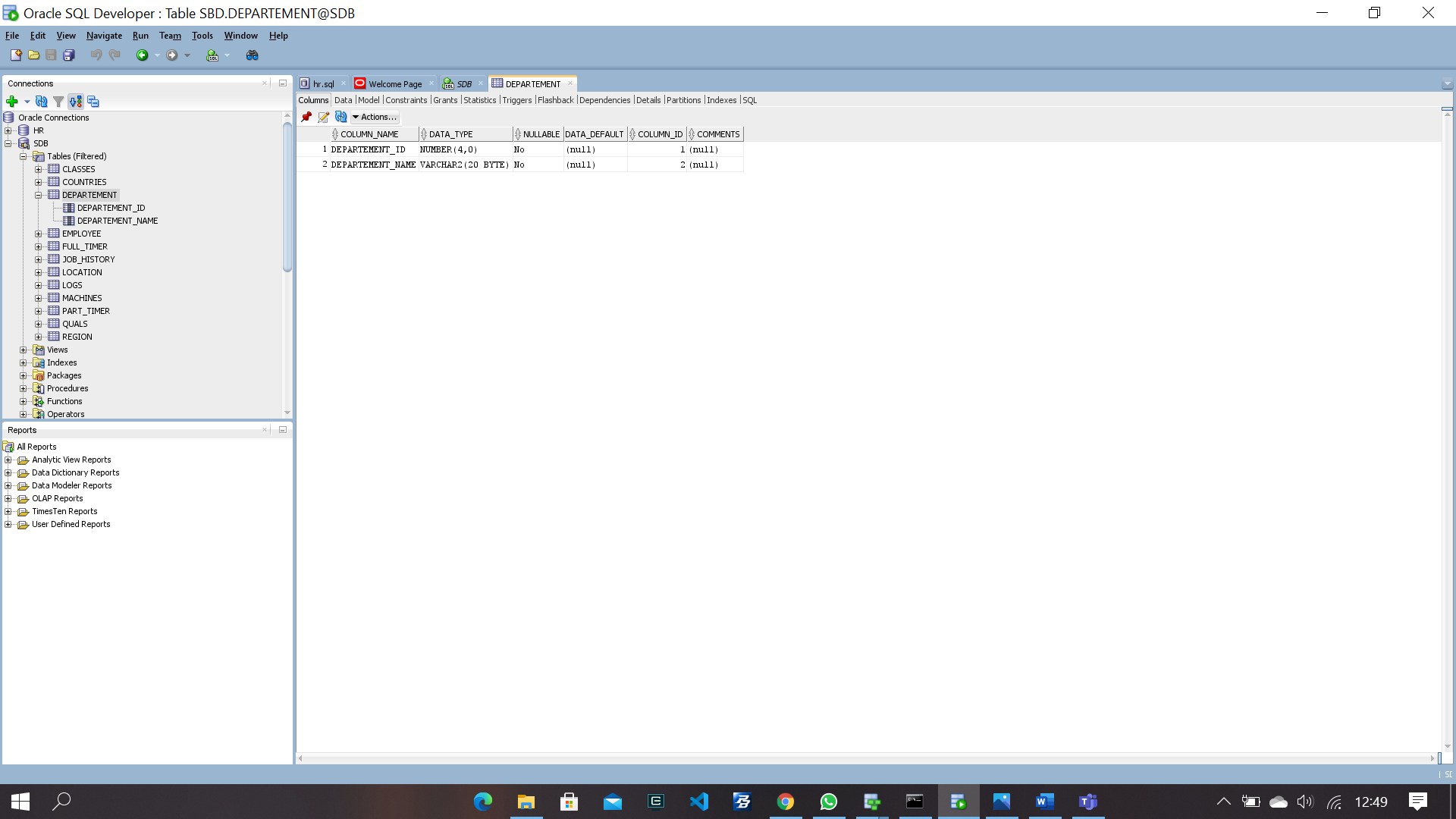
* classes



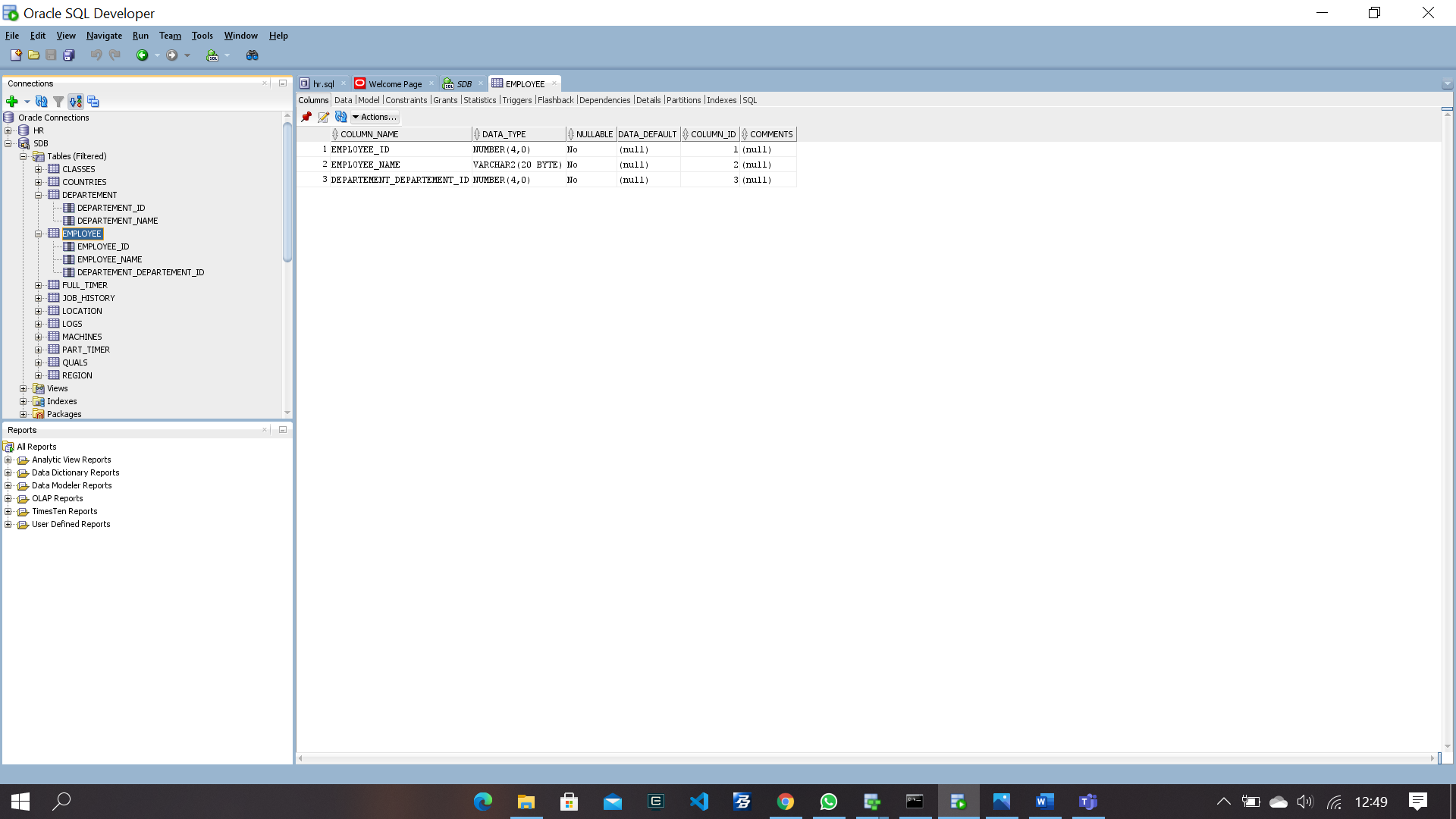
* Countries



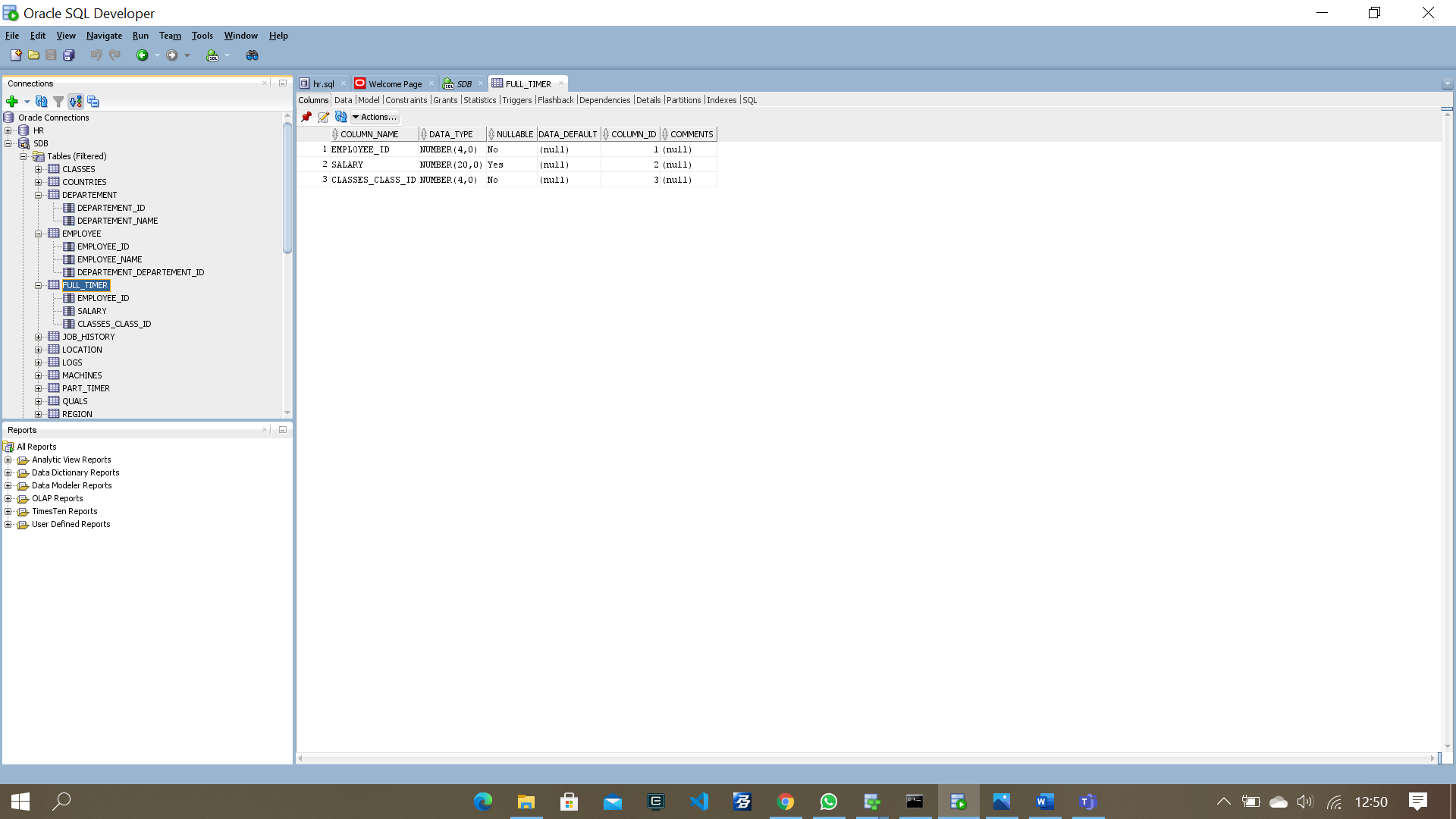
* Departement



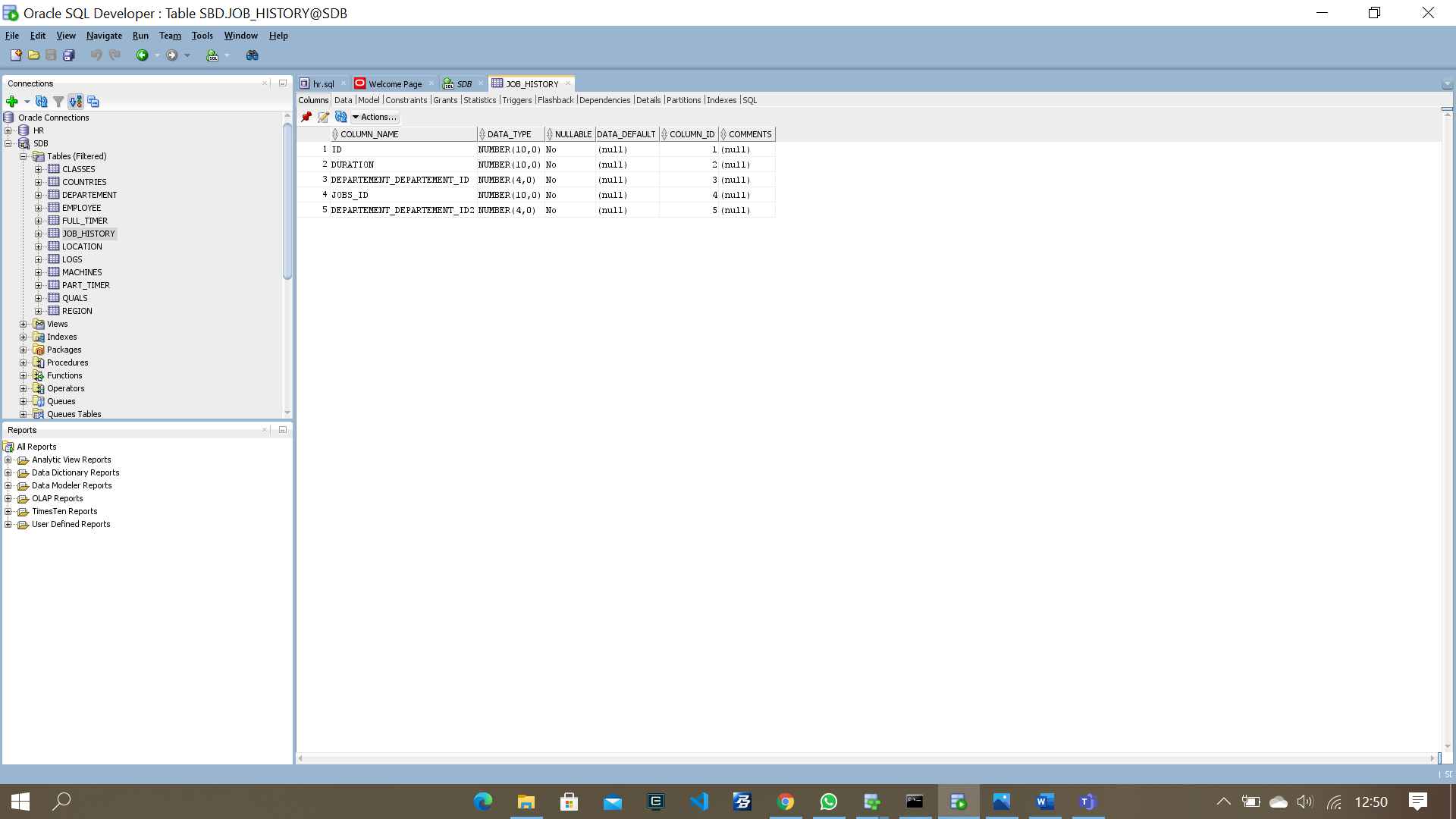
* Employee



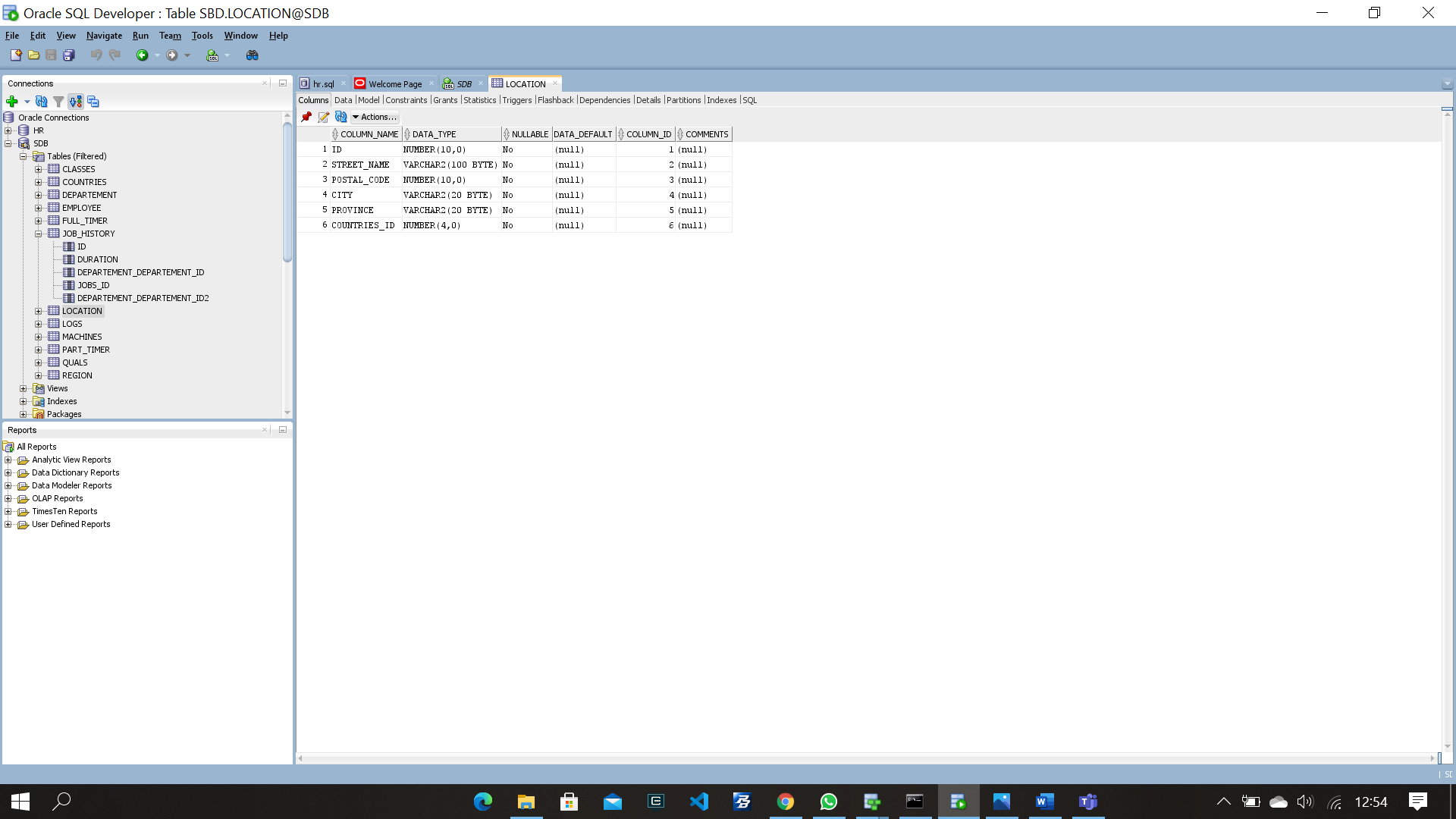
* Full Timer



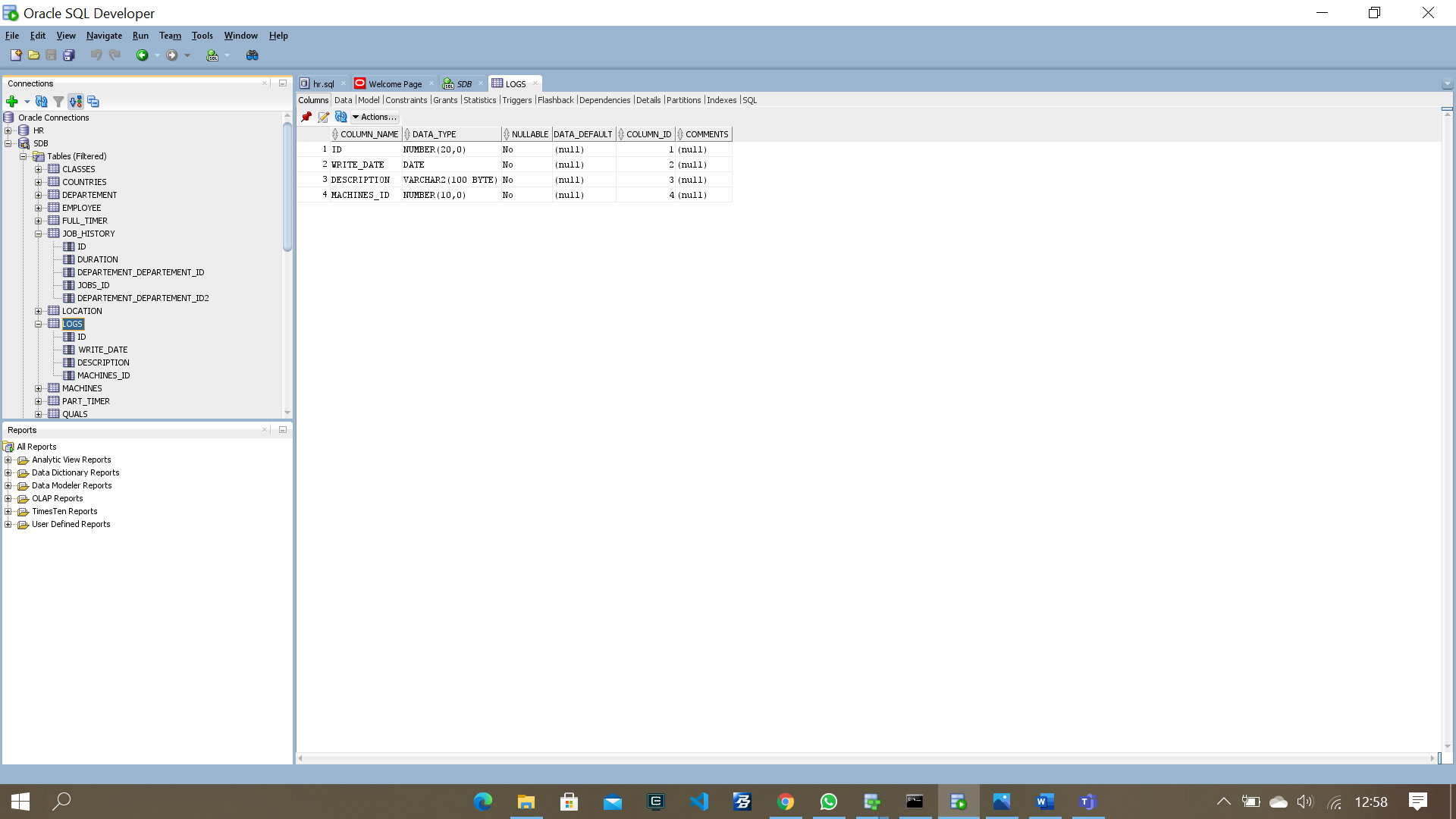
* Job History



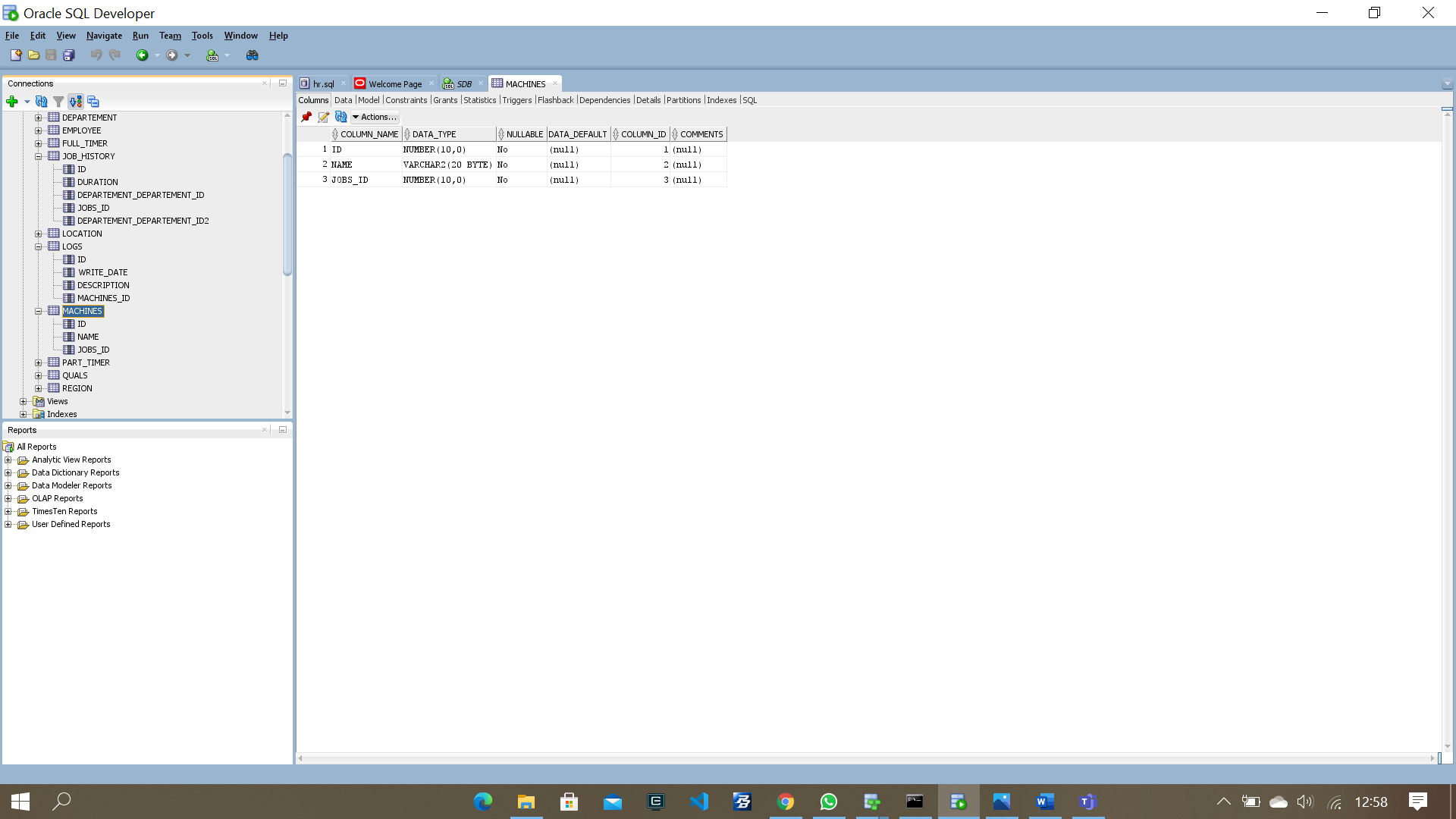
* Location



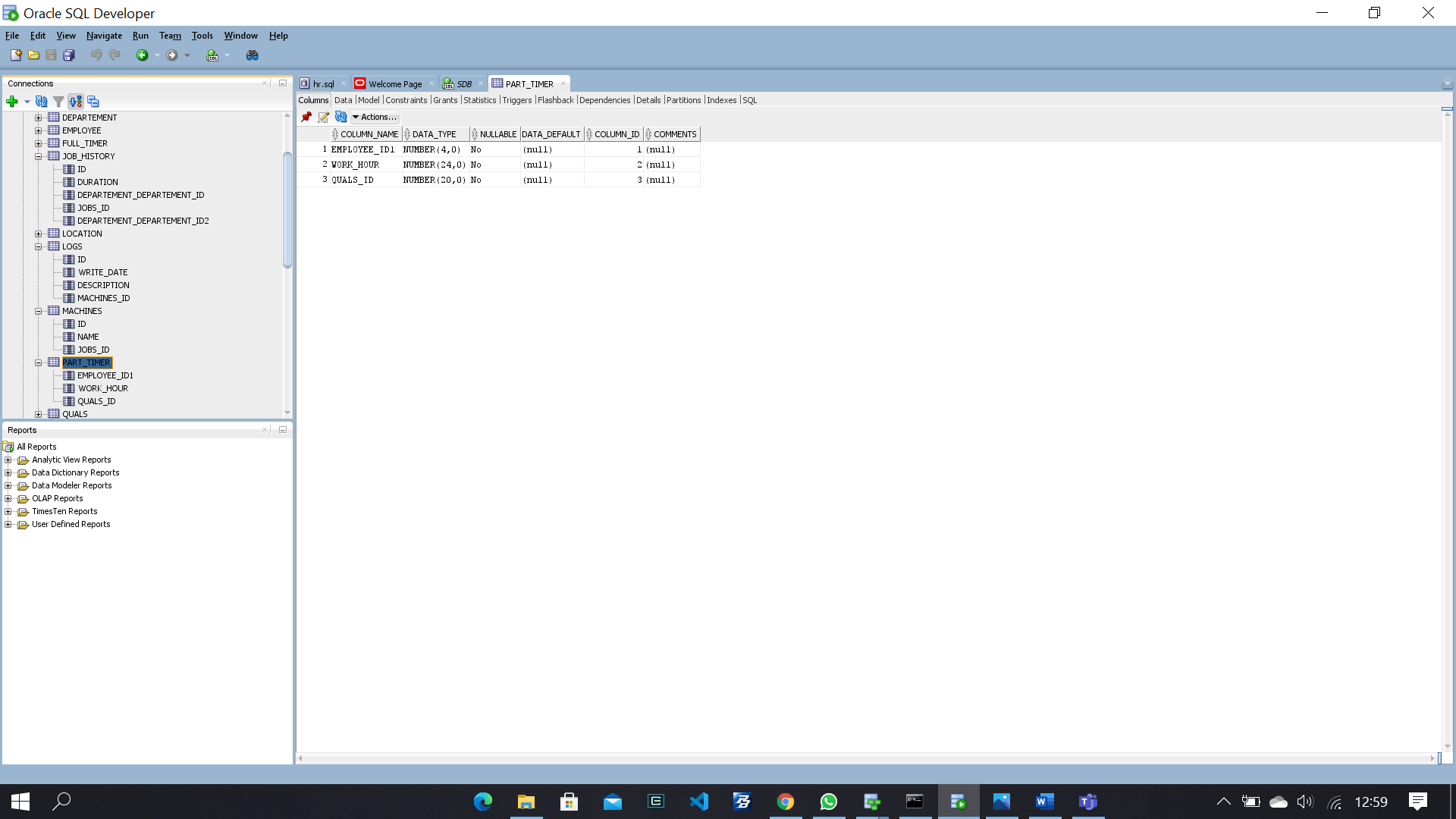
* Logs



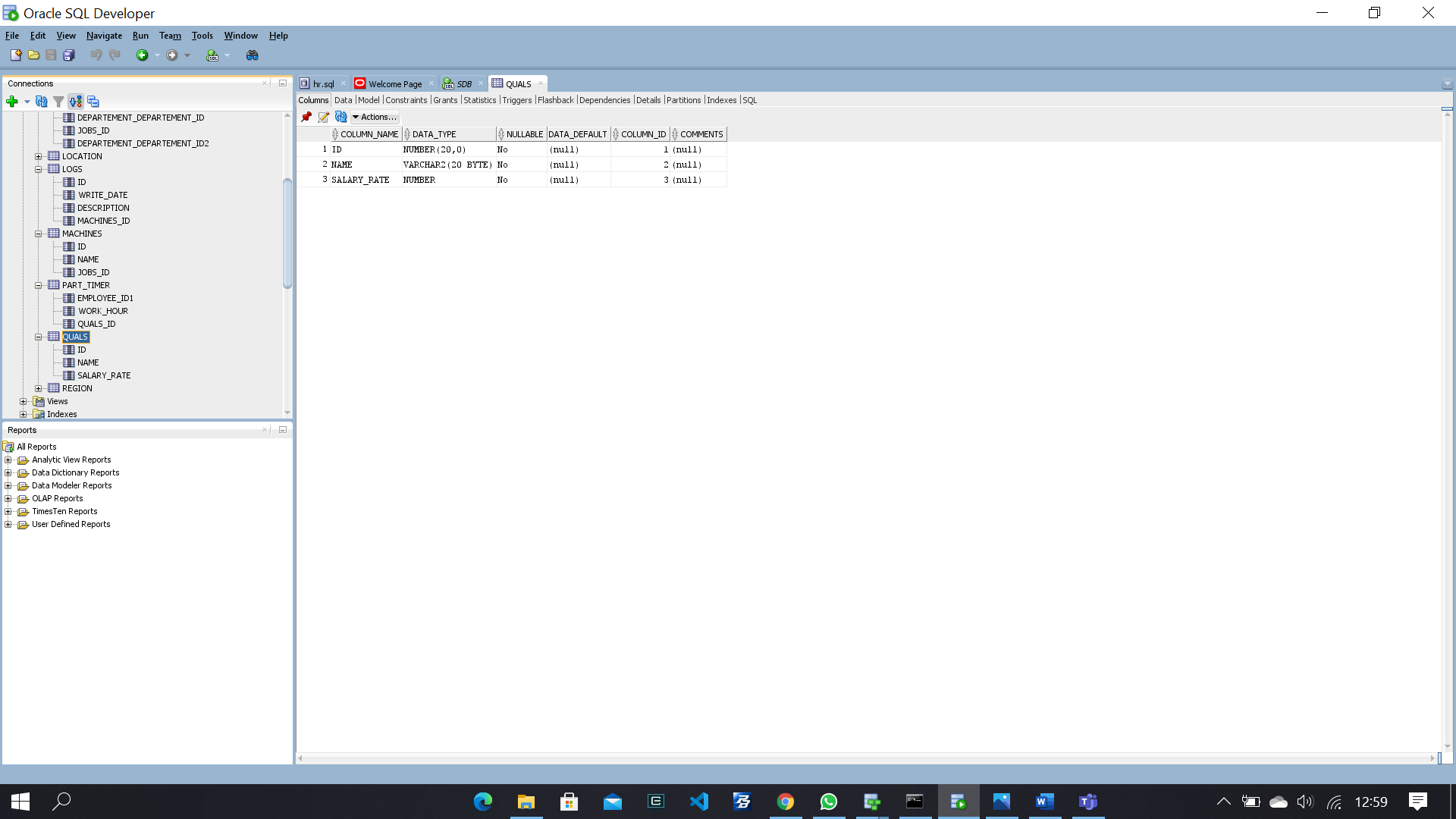
* Machines



* Part Timer



* Quals



* Region