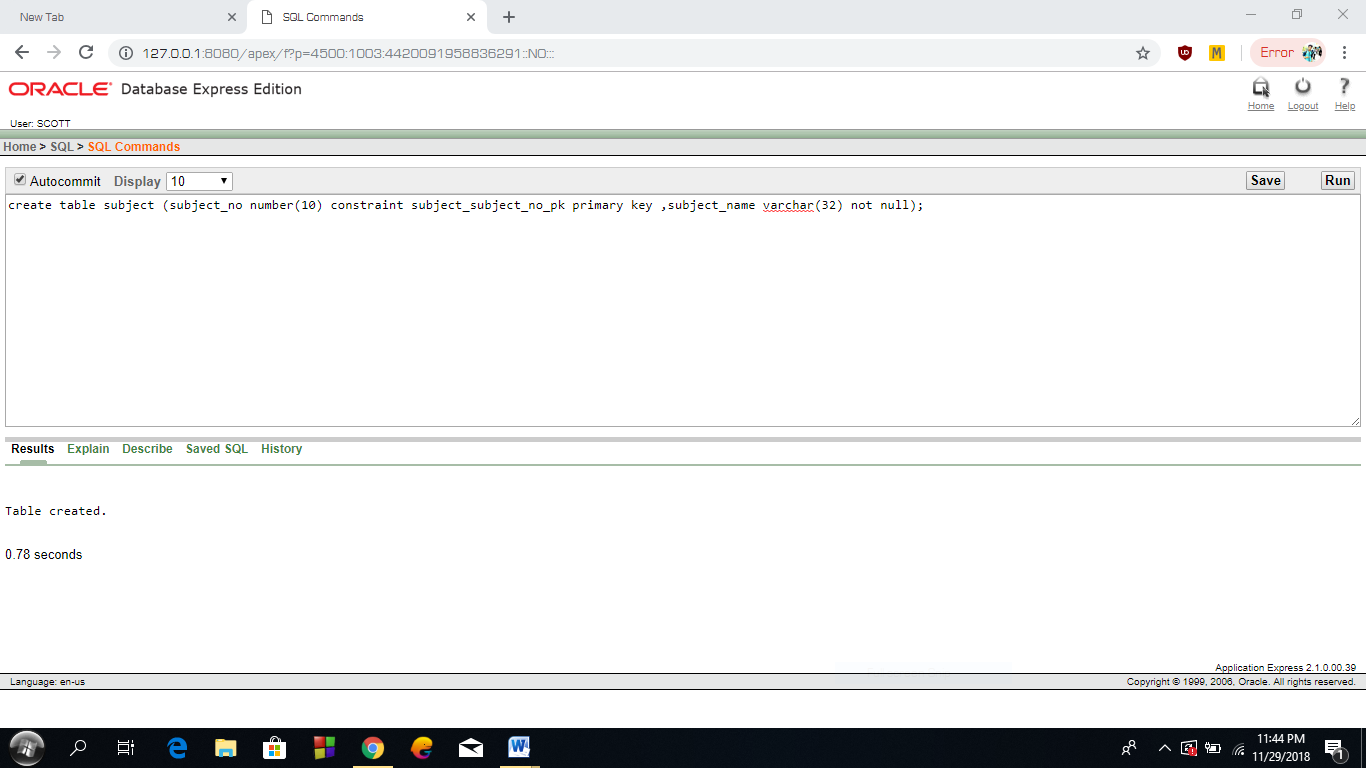
**TABLE CREATION :**

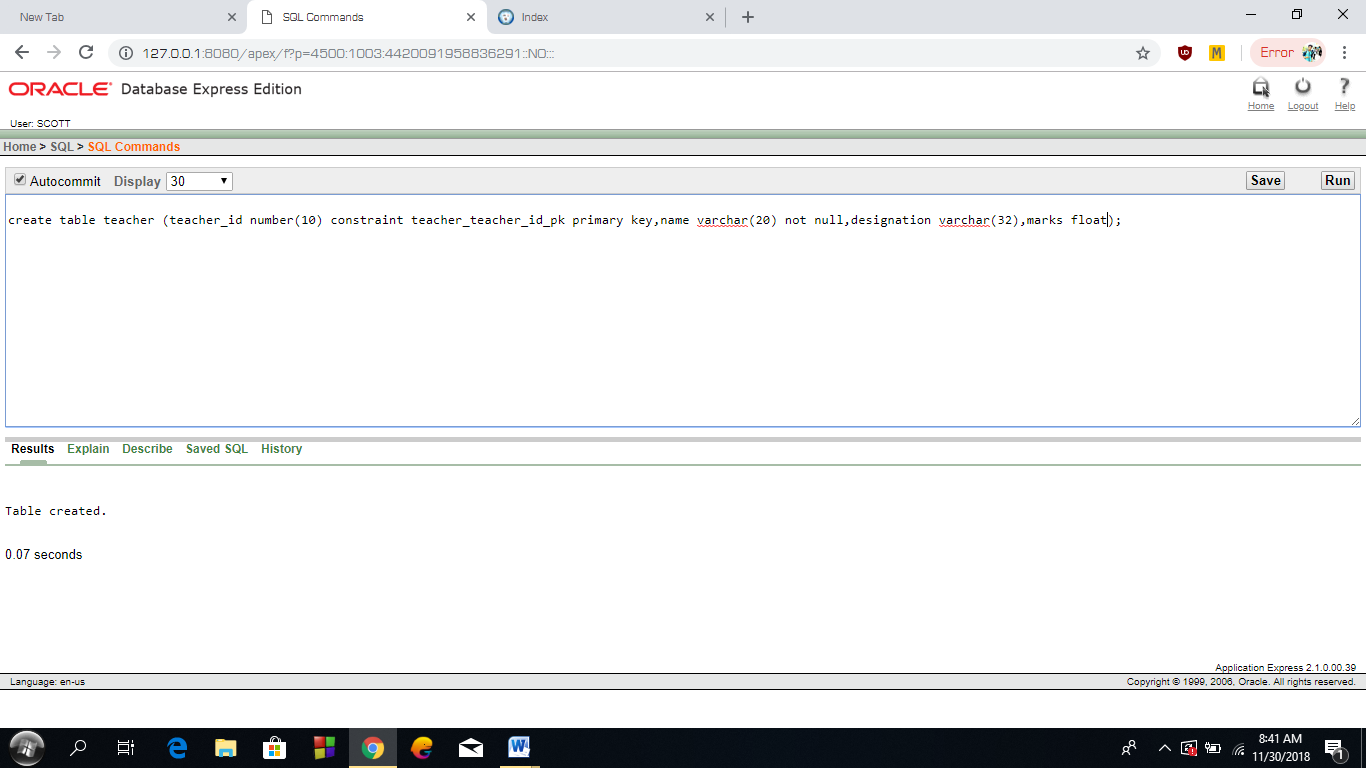
1. **Subject Table:**

create table subject (subject\_no number(10) constraint subject\_subject\_no\_pk primary key ,subject\_name varchar(32) not null);

****

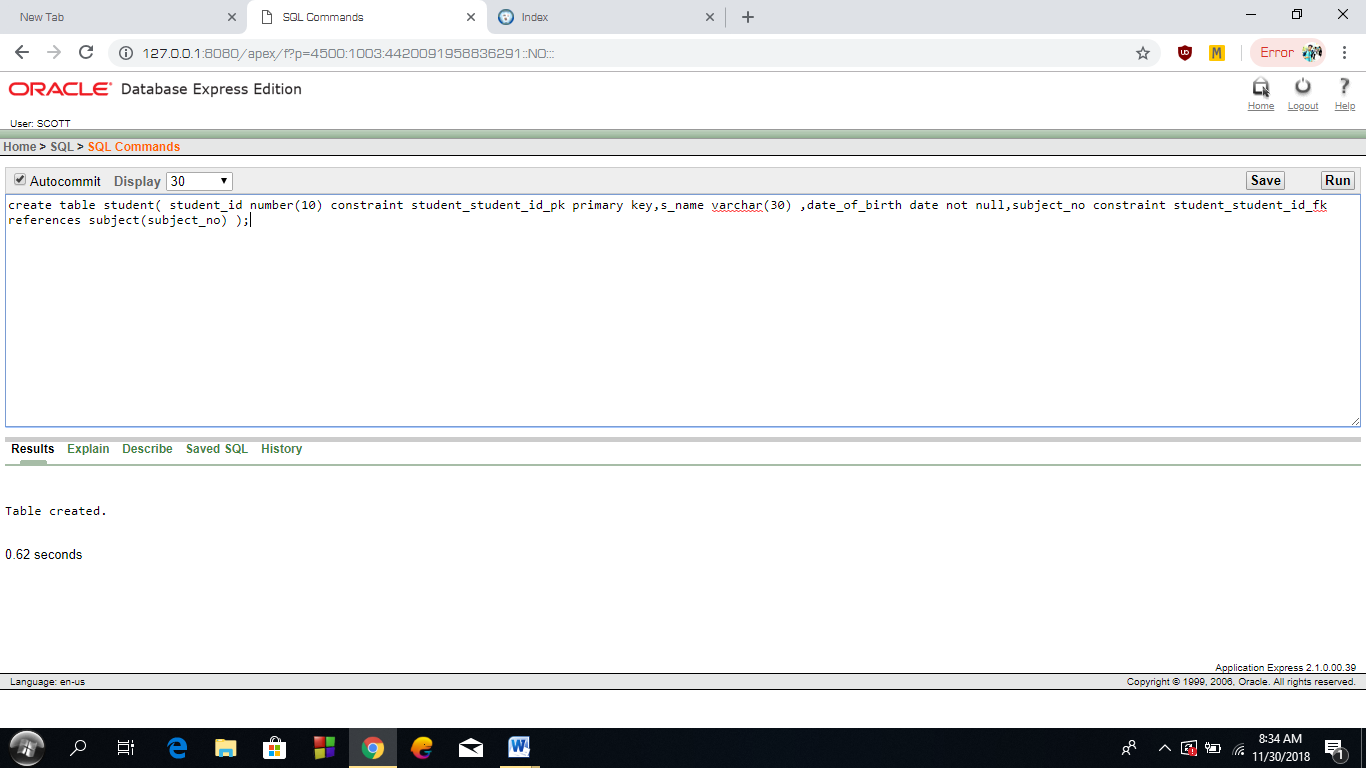
1. **Teacher Table:**

create table teacher (teacher\_id number(10) constraint teacher\_teacher\_id\_pk primary key,name varchar(20) not null,designation varchar(32),marks float);

****

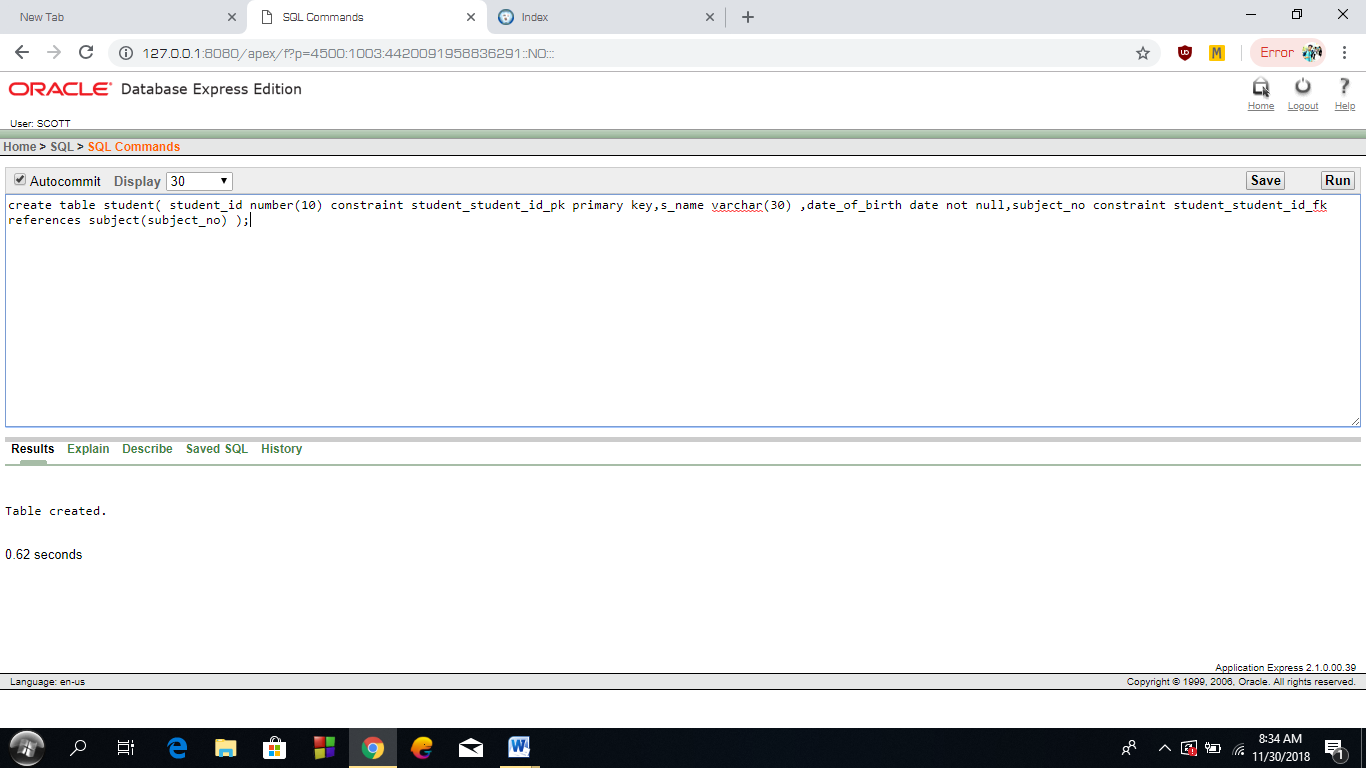
**3. Student Table:**

create table student( student\_id number(10) constraint student\_student\_id\_pk primary key,s\_name varchar(30) ,date\_of\_birth date not null,subject\_no constraint student\_student\_id\_fk references subject(subject\_no) );

****

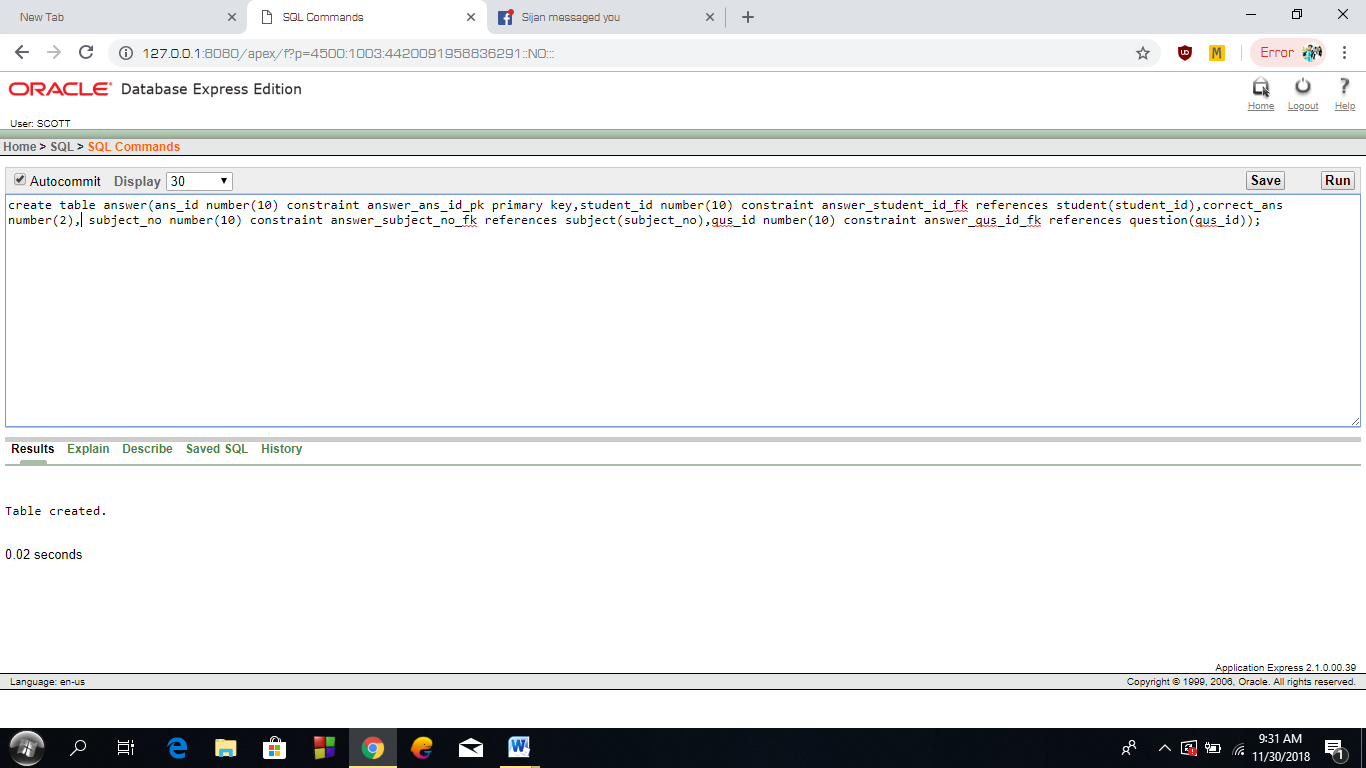
**4. Question Table:**

create table question(qus\_id number(10) constraint question\_qus\_id\_pk primary key,teacher\_id number(10) constraint question\_teacher\_id\_tfk references teacher(teacher\_id),create\_date date not null,subject\_no number(10) constraint question\_subject\_no\_sfk references subject(subject\_no));

****

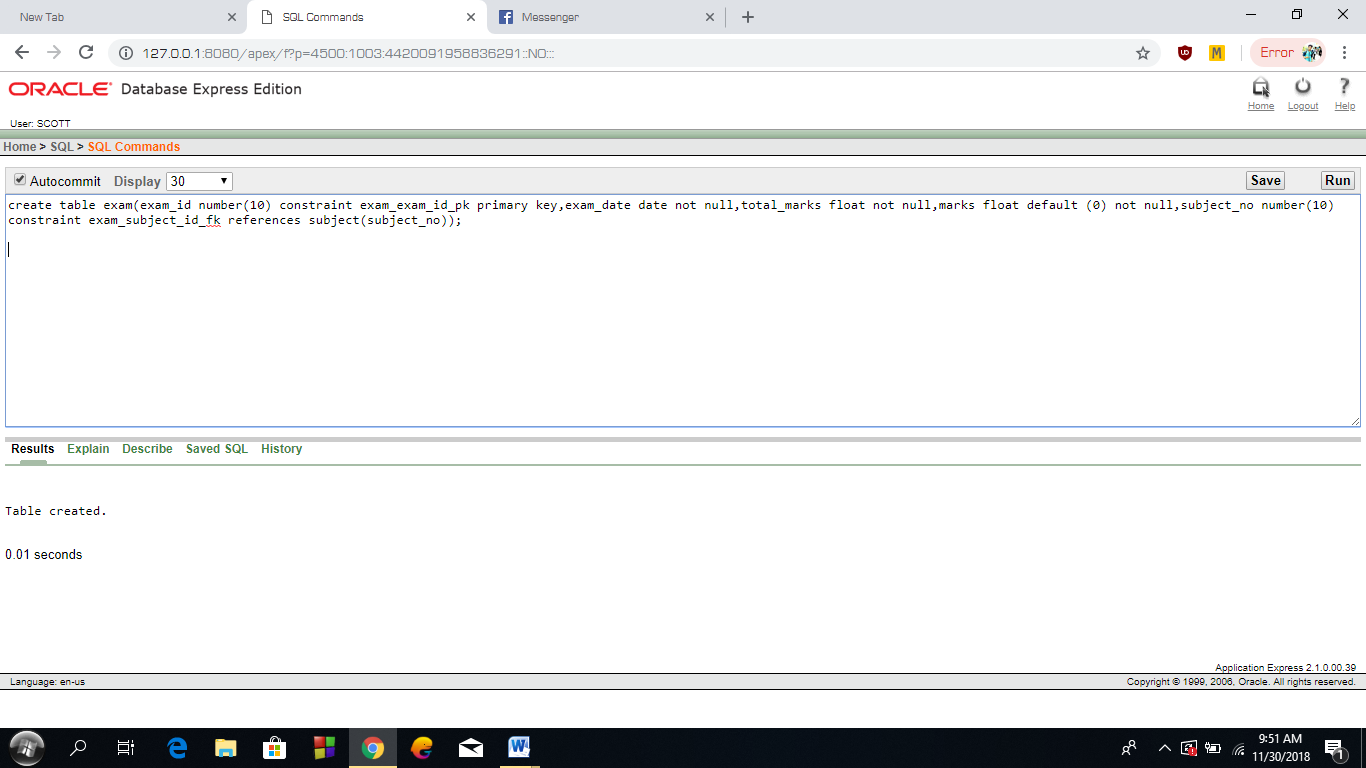
**5. Answer Table:**

create table answer(ans\_id number(10) constraint answer\_ans\_id\_pk primary key,student\_id number(10) constraint answer\_student\_id\_fk references student(student\_id),correct\_ans number(2), subject\_no number(10) constraint answer\_subject\_no\_fk references subject(subject\_no),qus\_id number(10) constraint answer\_qus\_id\_fk references question(qus\_id));

****

**6.Exam Table:**

create table exam(exam\_id number(10) constraint exam\_exam\_id\_pk primary key,exam\_date date not null,total\_marks float not null,marks float default (0) not null,subject\_no number(10) constraint exam\_subject\_id\_fk references subject(subject\_no));

****

**DATA INSERTION & SHOWING TABLE:**

**1. Subject Table:**

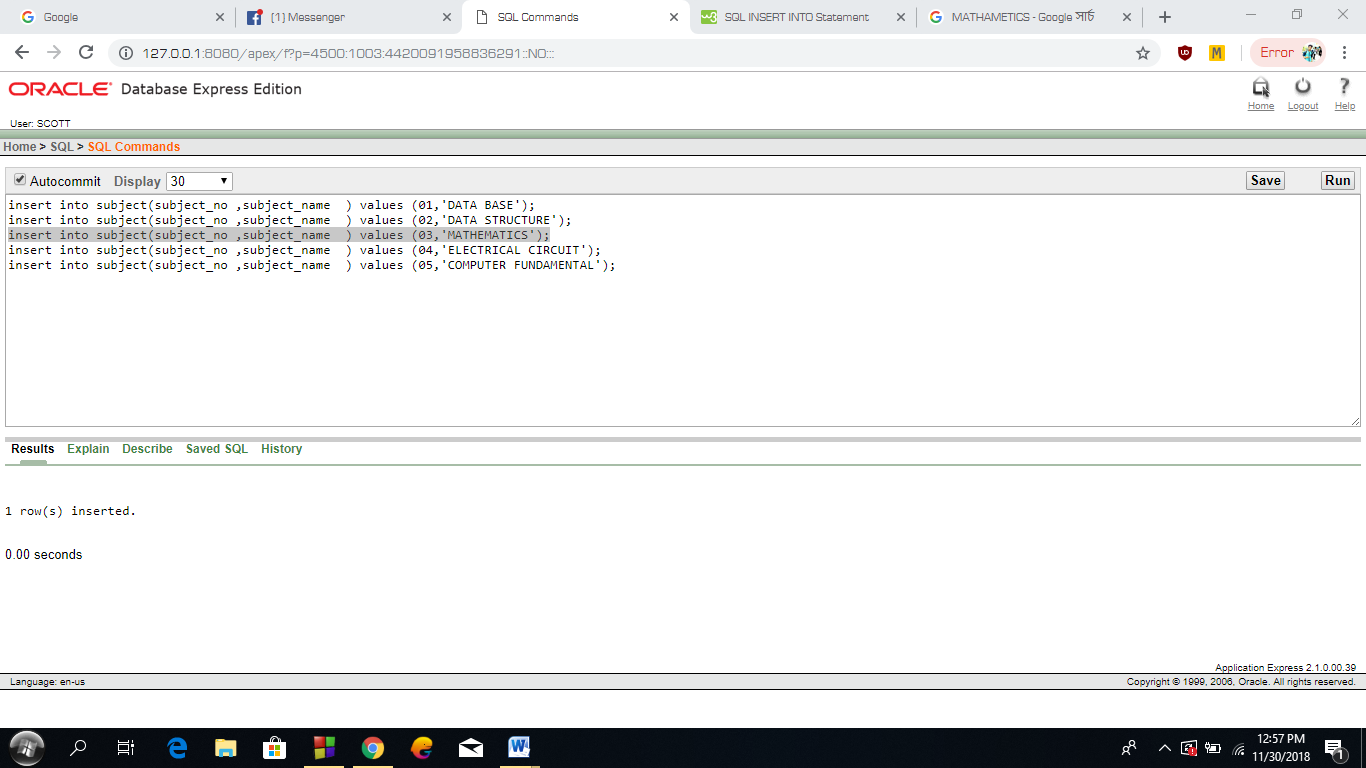
insert into subject(subject\_no ,subject\_name ) values (01,'DATA BASE');

insert into subject(subject\_no ,subject\_name ) values (02,'DATA STRUCTURE');

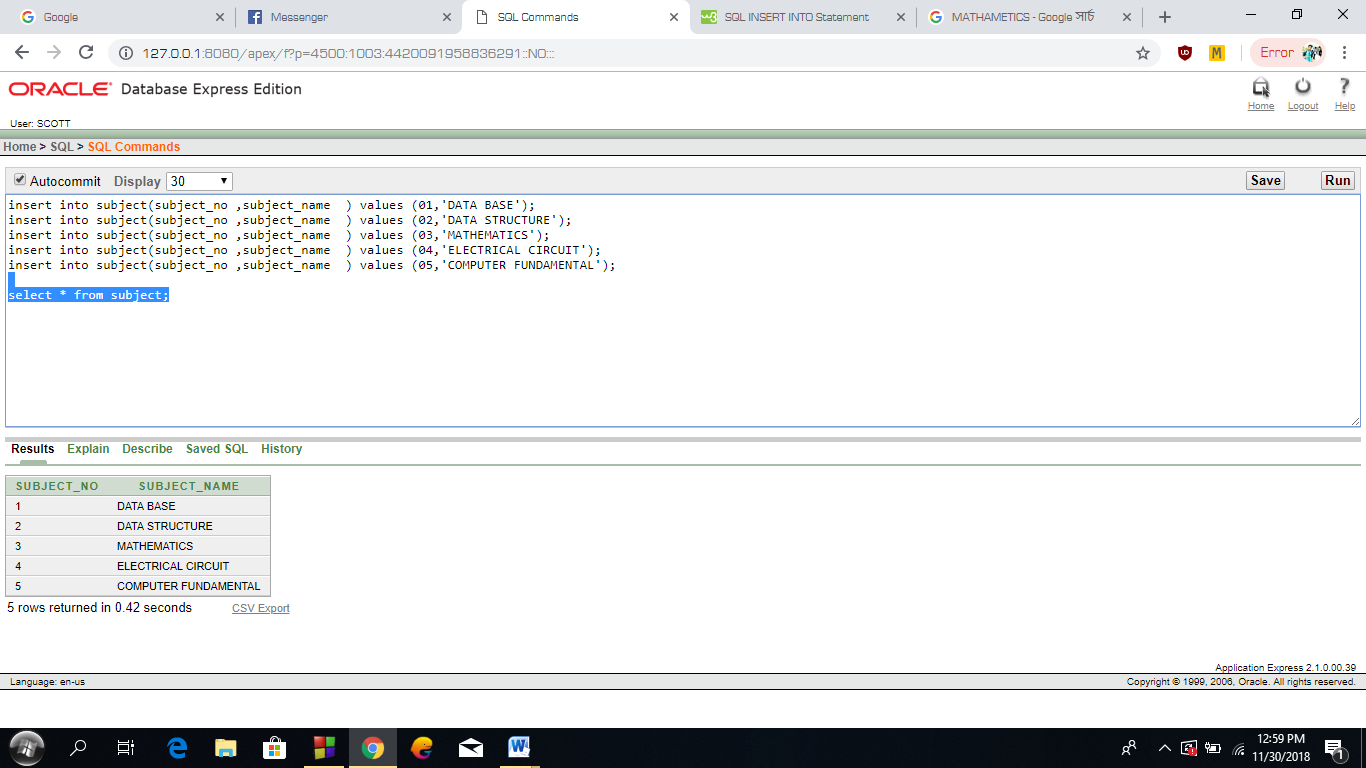
insert into subject(subject\_no ,subject\_name ) values (03,'MATHEMATICS');

insert into subject(subject\_no ,subject\_name ) values (04,'ELECTRICAL CIRCUIT');

insert into subject(subject\_no ,subject\_name ) values (05,'COMPUTER FUNDAMENTAL');

****

select \* from subject;

****

**2. Teacher Table:**

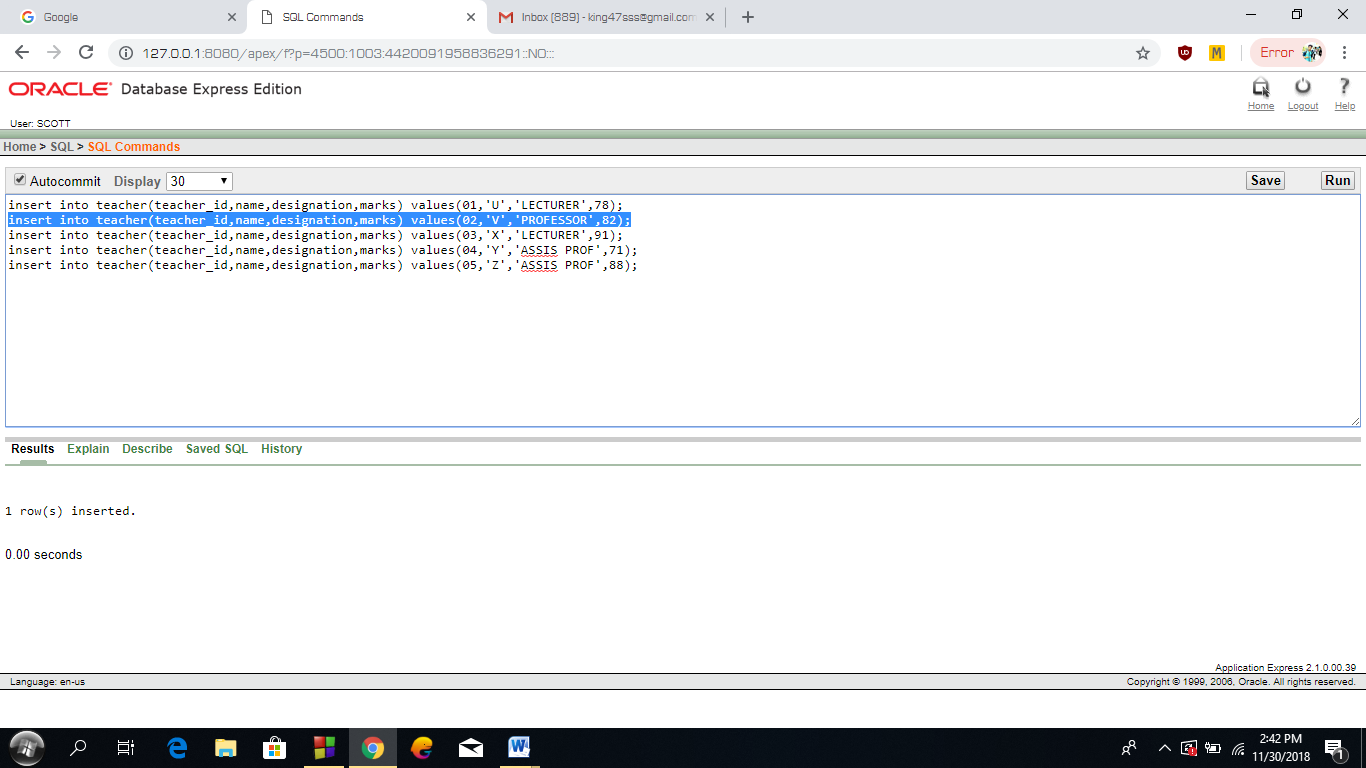
insert into teacher(teacher\_id,name,designation,marks) values(01,'U','LECTURER',78);

insert into teacher(teacher\_id,name,designation,marks) values(02,'V','PROFESSOR',82);

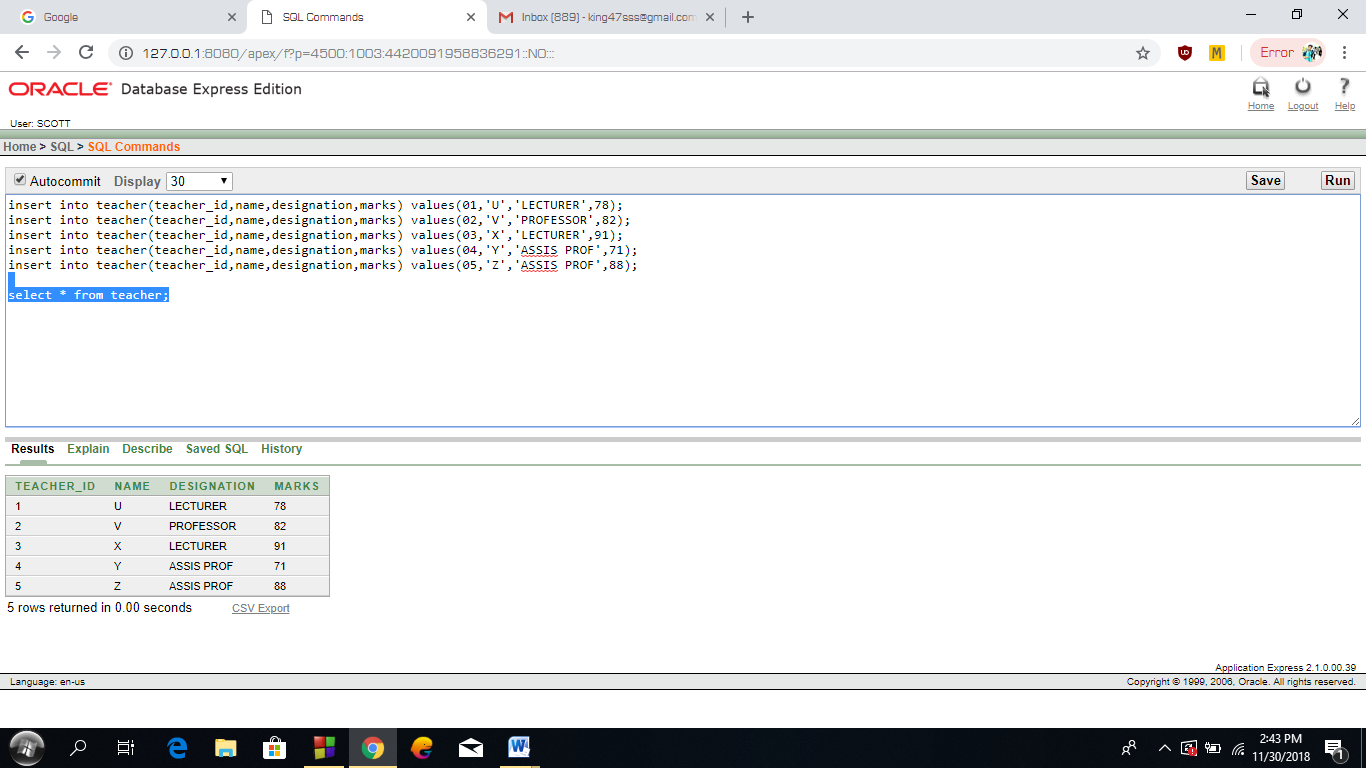
insert into teacher(teacher\_id,name,designation,marks) values(03,'X','LECTURER',91);

insert into teacher(teacher\_id,name,designation,marks) values(04,'Y','ASSIS PROF',71);

insert into teacher(teacher\_id,name,designation,marks) values(05,'Z','ASSIS PROF',88);

****

select \* from teacher;

****

**3. Student Table:**

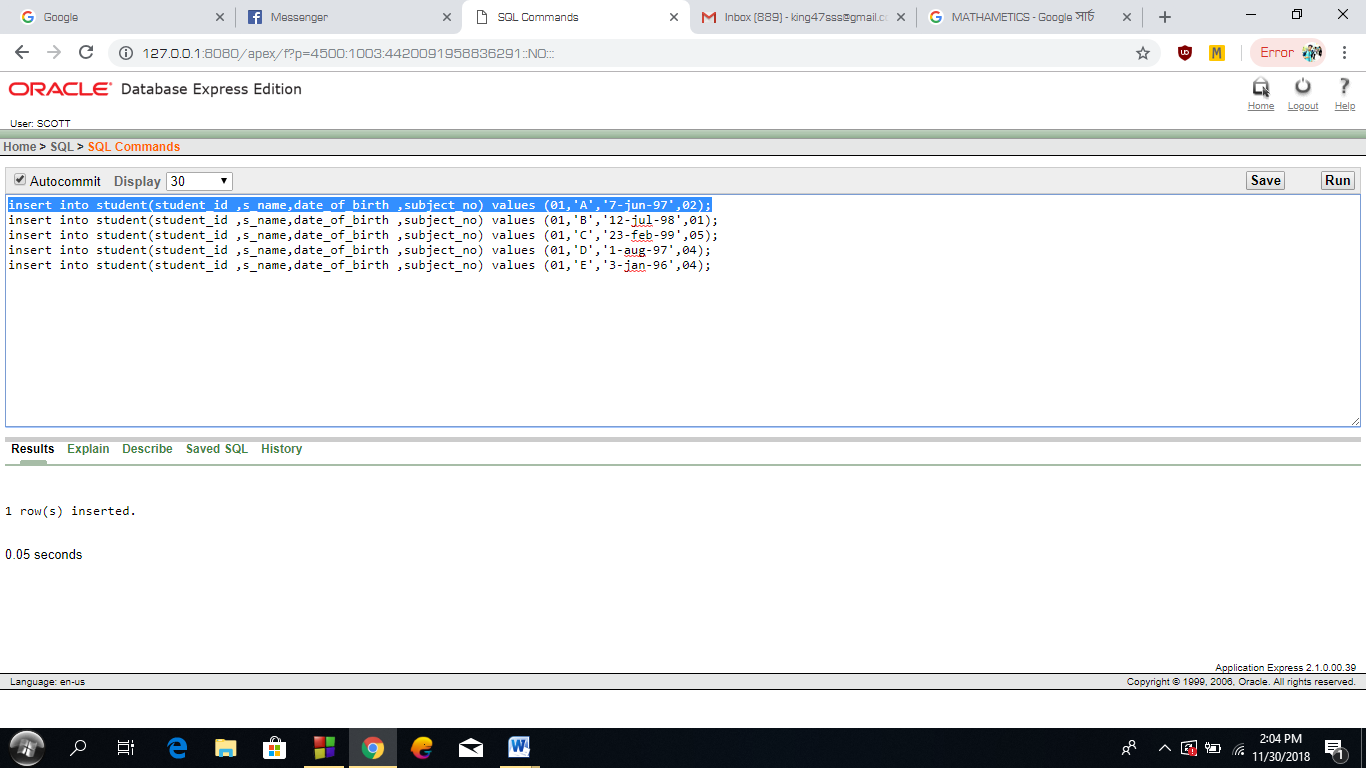
insert into student(student-id,s-name,date-of-birth,subject-no) values (01,'A','7-jun-97',02);

insert into student(student-id,s-name,date-of-birth,subject-no) values (02,'B','12-jul-98',01);

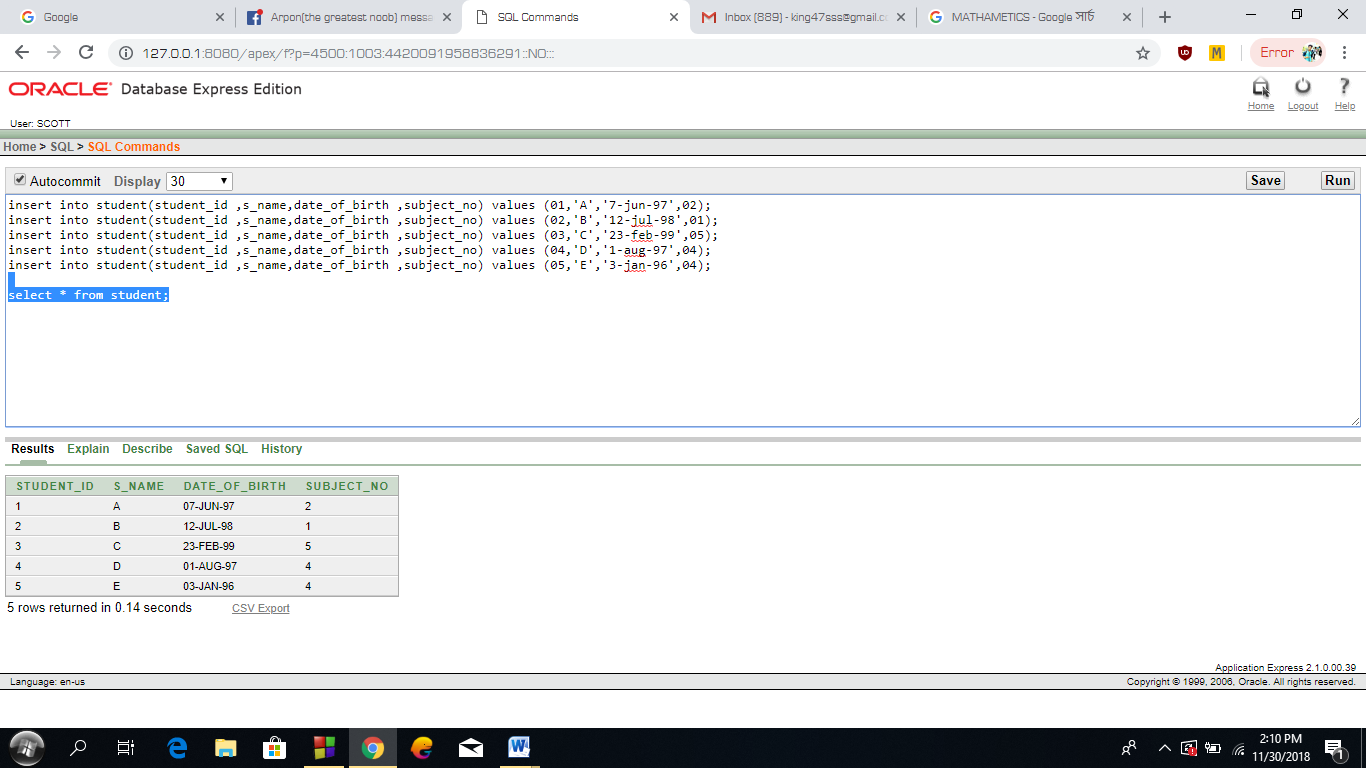
insert into student(student-id,s-name,date-of-birth,subject-no) values (03,'C','23-feb-99',05);

insert into student(student-id,s-name,date-of-birth,subject-no) values (04,'D','1-aug-97',04);

insert into student(student-id,s-name,date-of-birth,subject-no) values (05,'E','3-jan-96',04);



select \* from student;



**4. Question Table:**

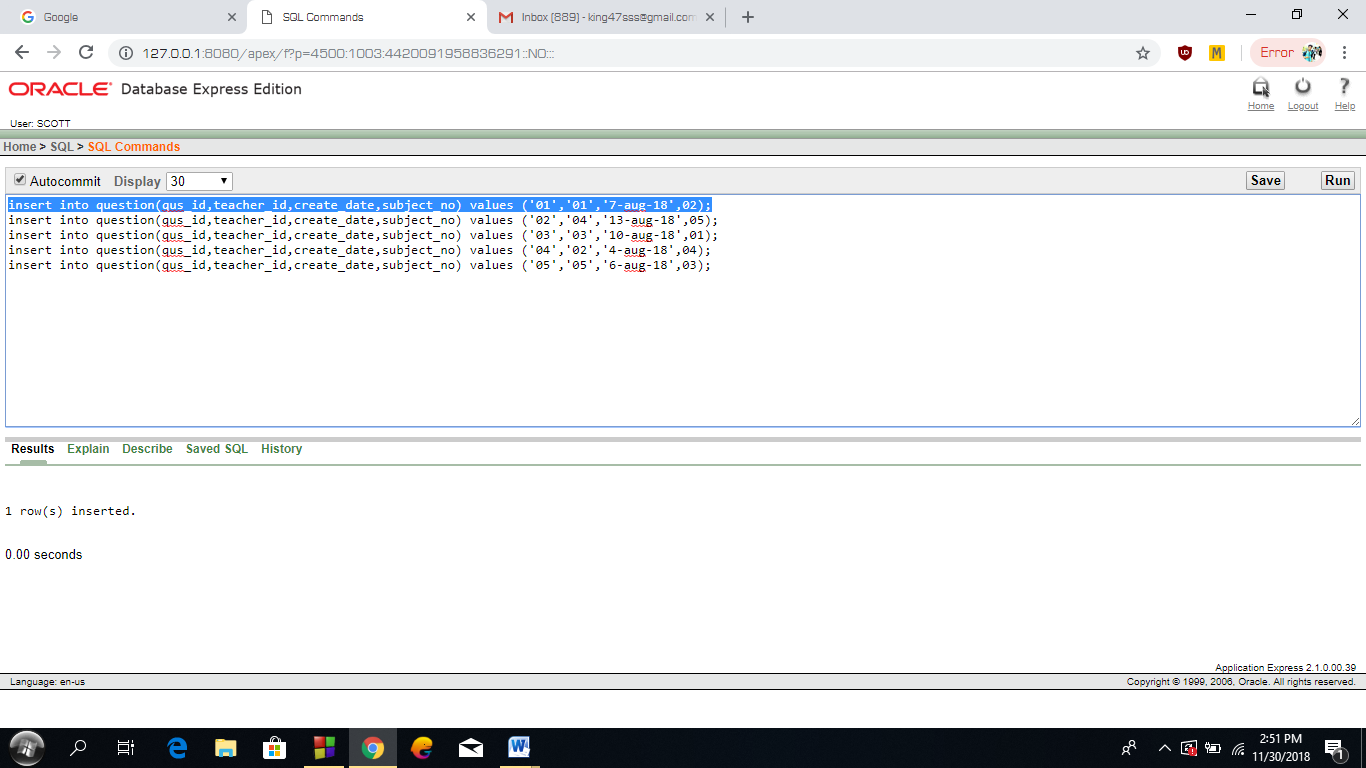
insert into question(qus\_id,teacher\_id,create\_date,subject\_no) values ('01','01','7-aug-18',02);

insert into question(qus\_id,teacher\_id,create\_date,subject\_no) values ('02','04','13-aug-18',05);

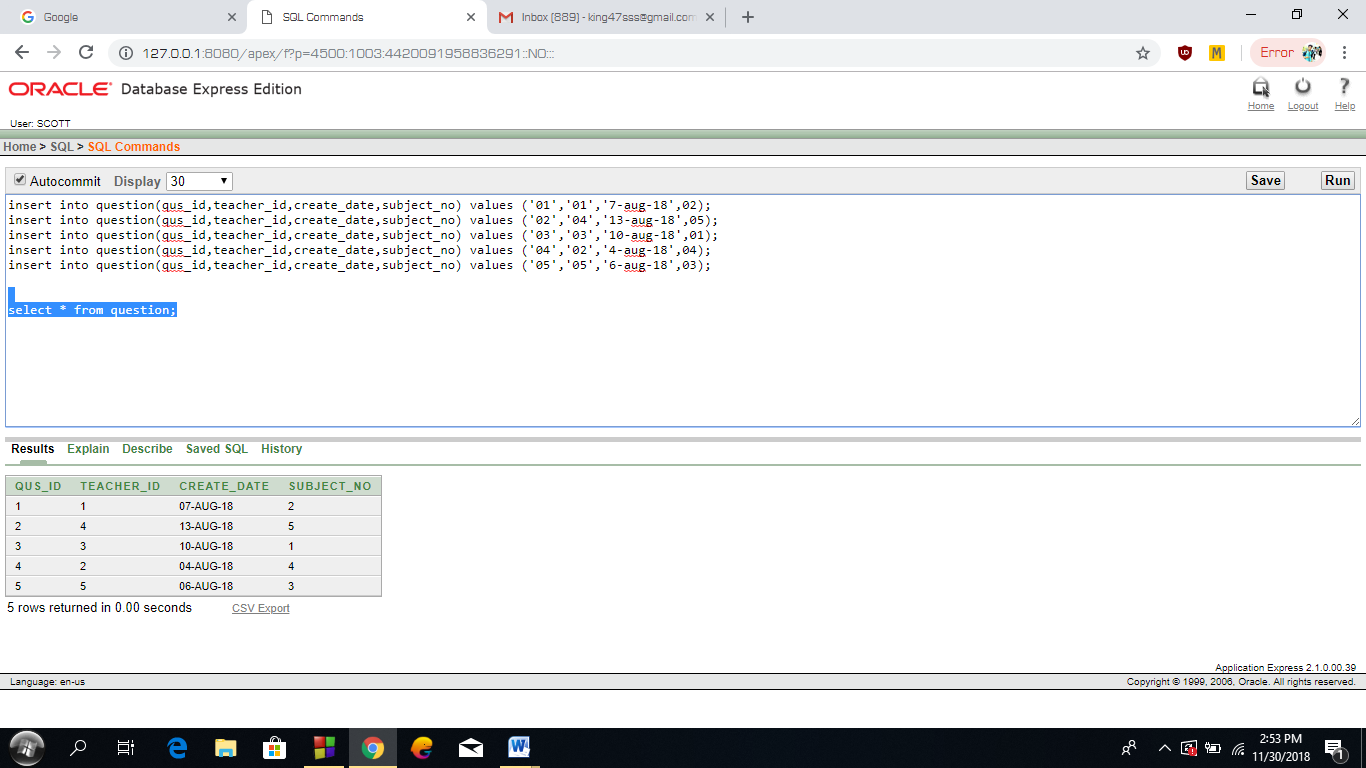
insert into question(qus\_id,teacher\_id,create\_date,subject\_no) values ('03','03','10-aug-18',01);

insert into question(qus\_id,teacher\_id,create\_date,subject\_no) values ('04','02','4-aug-18',04);

insert into question(qus\_id,teacher\_id,create\_date,subject\_no) values ('05','05','6-aug-18',03);

****

select \* from question;

****

**5. Answer Table:**

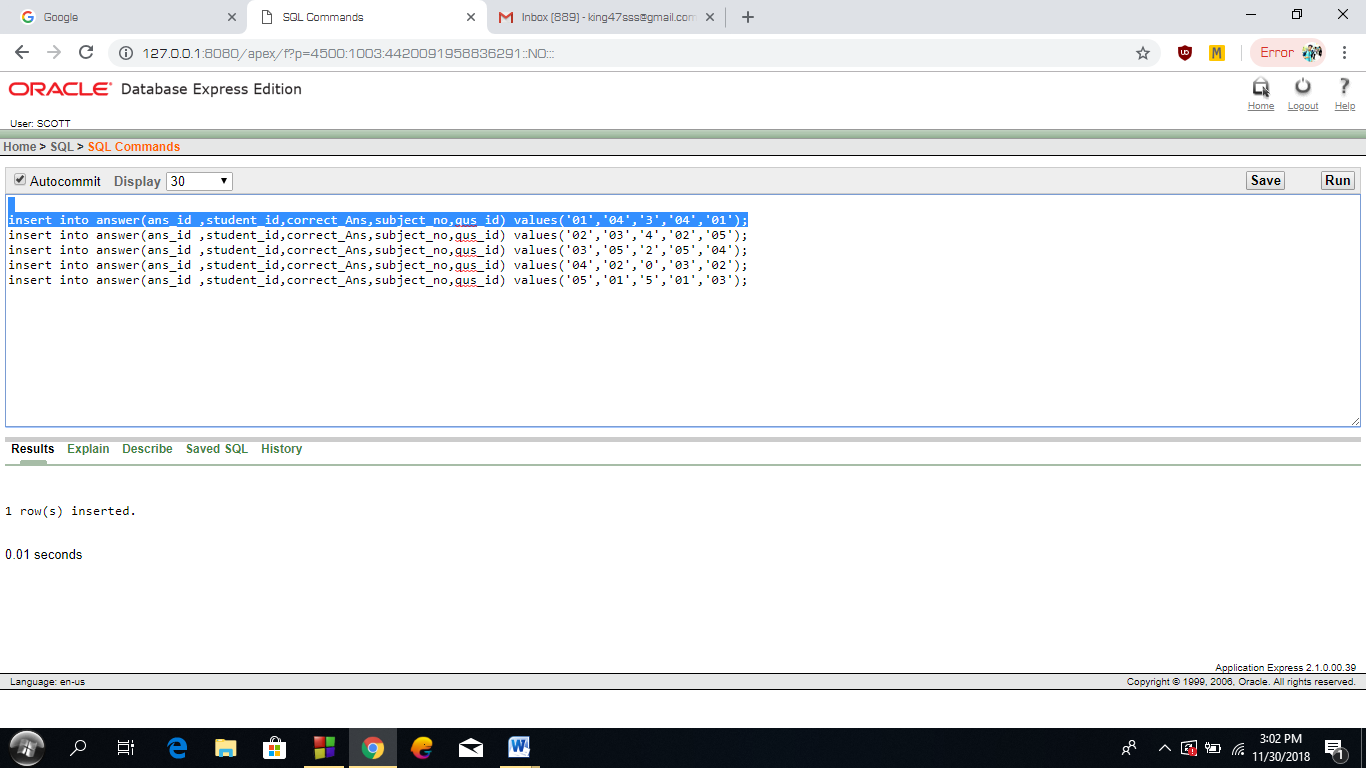
insert into answer(ans\_id ,student\_id,correct\_Ans,subject\_no,qus\_id) values('01','04','3','04','01');

insert into answer(ans\_id ,student\_id,correct\_Ans,subject\_no,qus\_id) values('02','03','4','02','05');

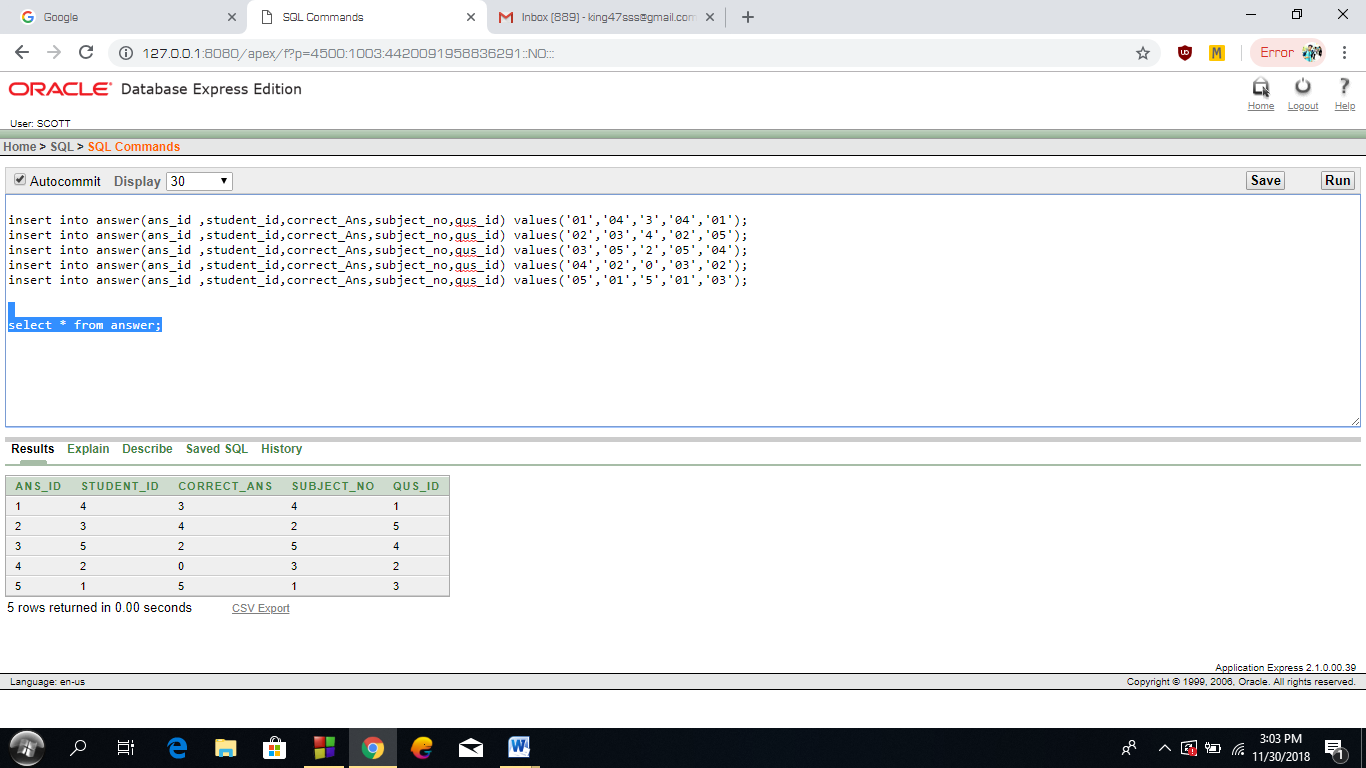
insert into answer(ans\_id ,student\_id,correct\_Ans,subject\_no,qus\_id) values('03','05','2','05','04');

insert into answer(ans\_id ,student\_id,correct\_Ans,subject\_no,qus\_id) values('04','02','0','03','02');

insert into answer(ans\_id ,student\_id,correct\_Ans,subject\_no,qus\_id) values('05','01','5','01','03');

****

select \* from answer;

****

**6.Exam Table:**

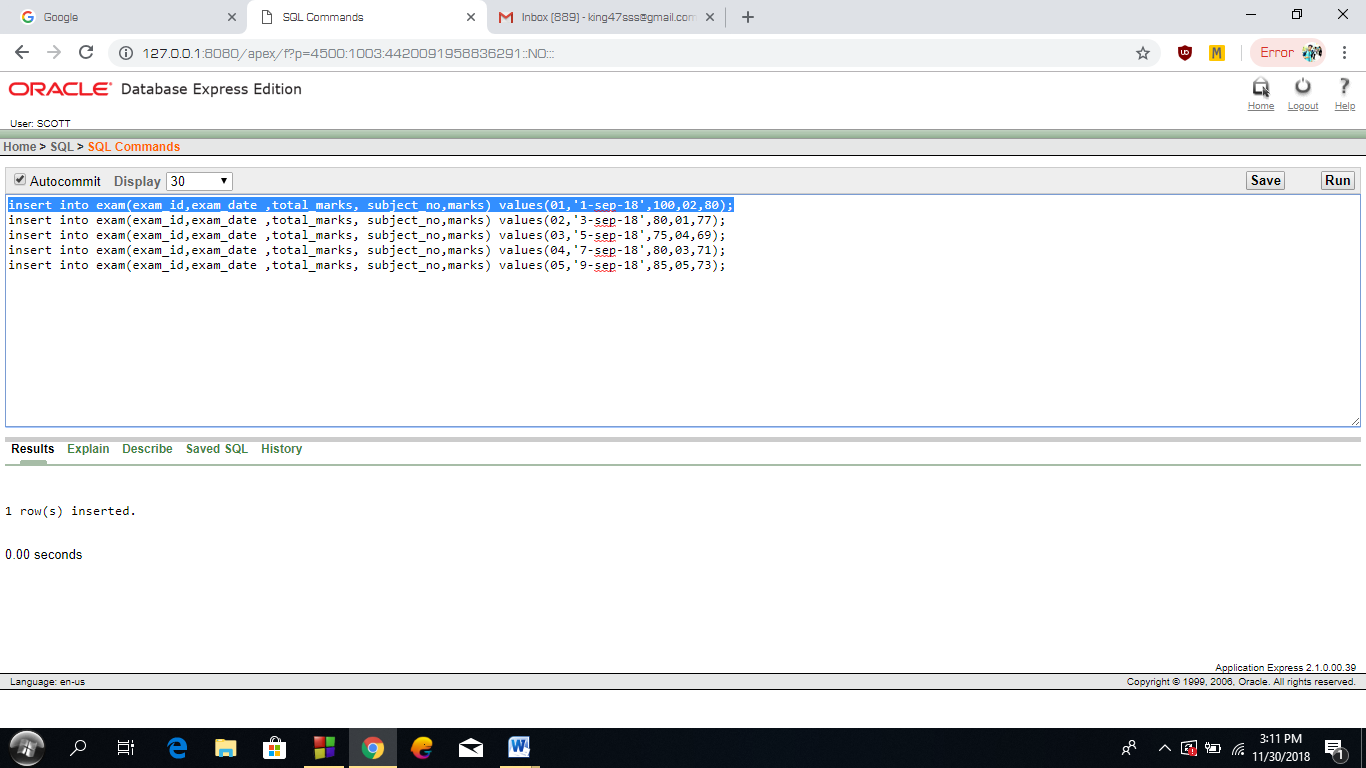
insert into exam(exam\_id,exam\_date ,total\_marks, subject\_no,marks) values(01,'1-sep-18',100,02,80);

insert into exam(exam\_id,exam\_date ,total\_marks, subject\_no,marks) values(02,'3-sep-18',80,01,77);

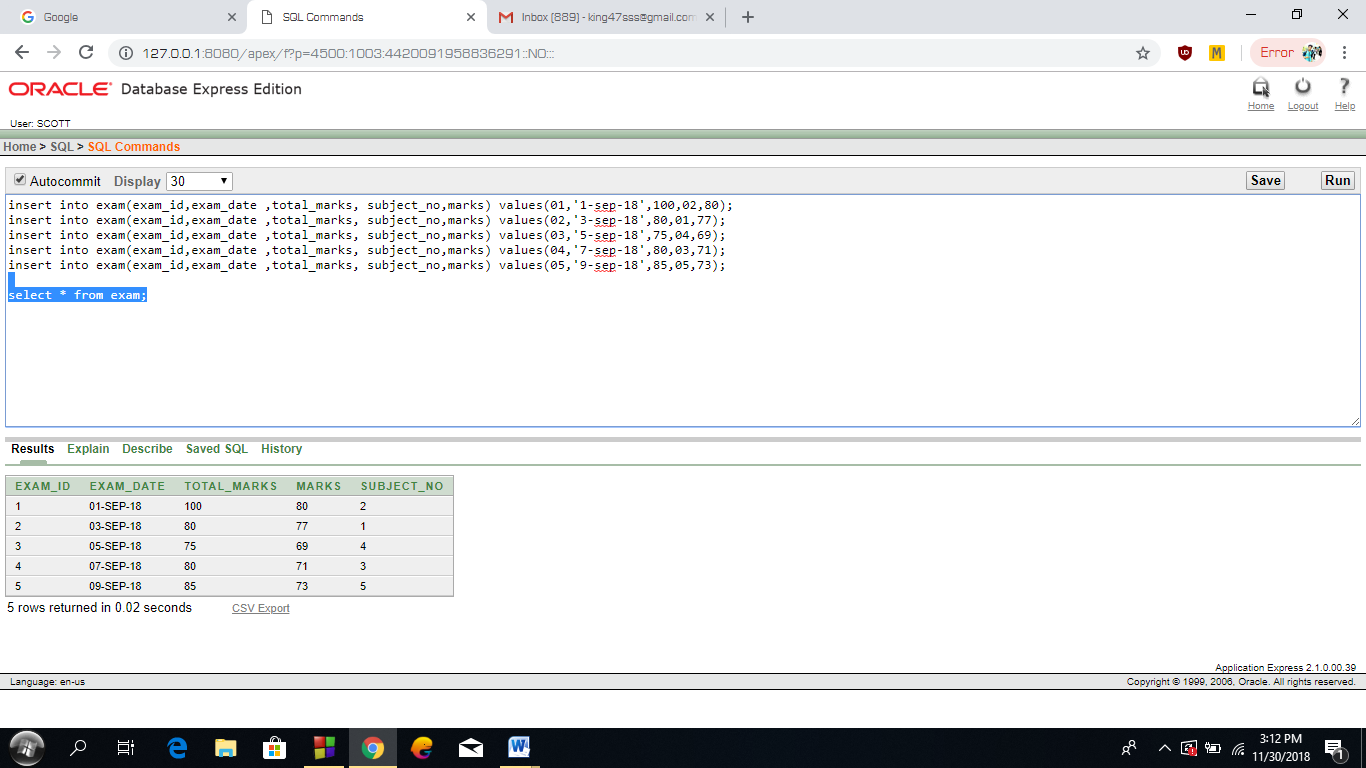
insert into exam(exam\_id,exam\_date ,total\_marks, subject\_no,marks) values(03,'5-sep-18',75,04,69);

insert into exam(exam\_id,exam\_date ,total\_marks, subject\_no,marks) values(04,'7-sep-18',80,03,71);

insert into exam(exam\_id,exam\_date ,total\_marks, subject\_no,marks) values(05,'9-sep-18',85,05,73);



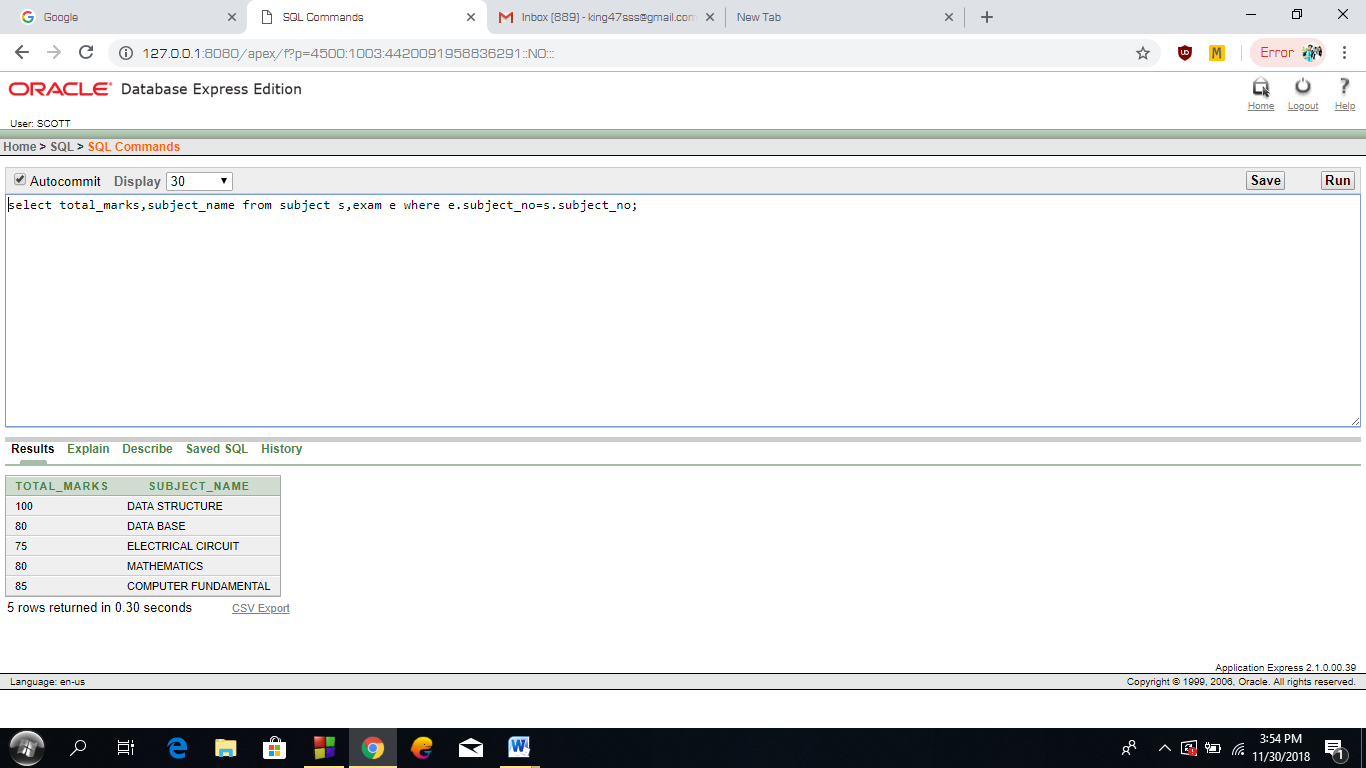
select \* from exam;



**JOINING:**

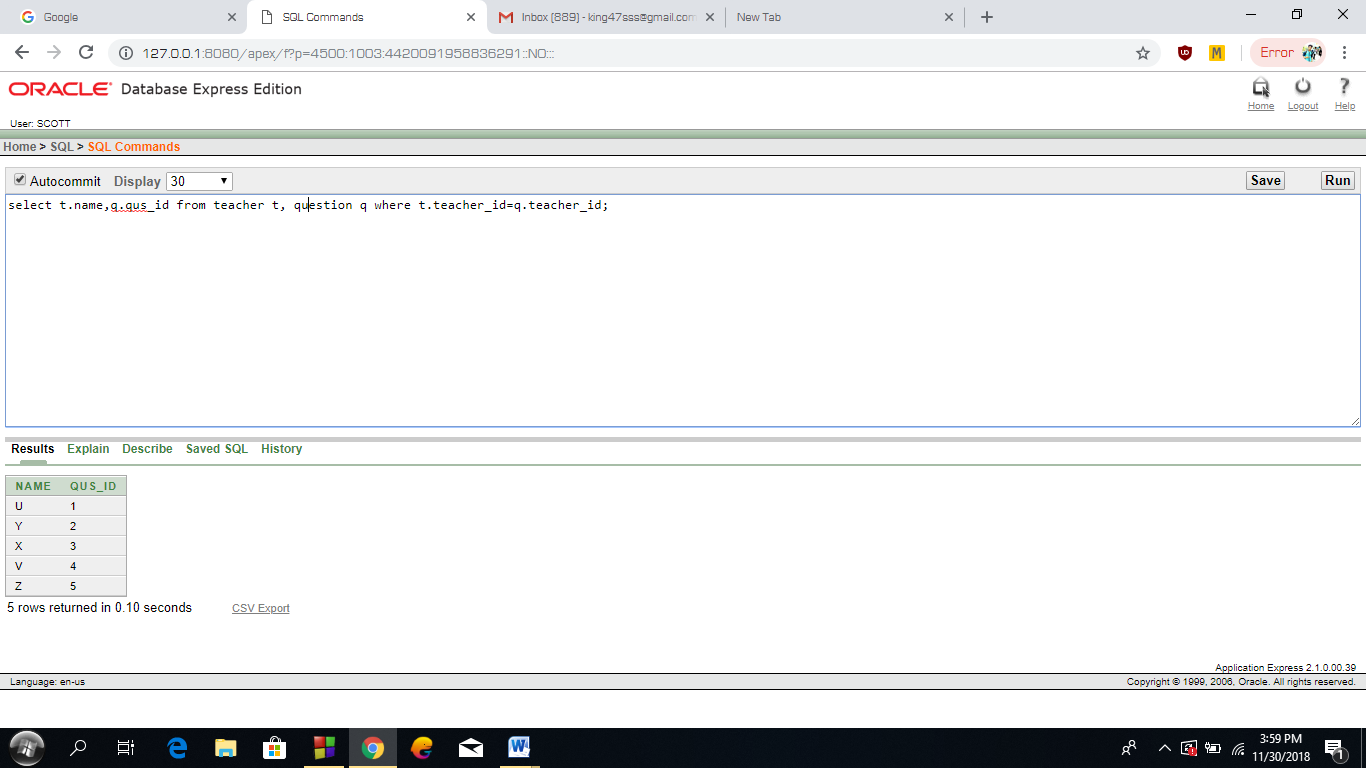
**1.** Find the subject name along with their total marks?(join)

select total\_marks,subject\_name from subject s,exam e where e.subject\_no=s.subject\_no;

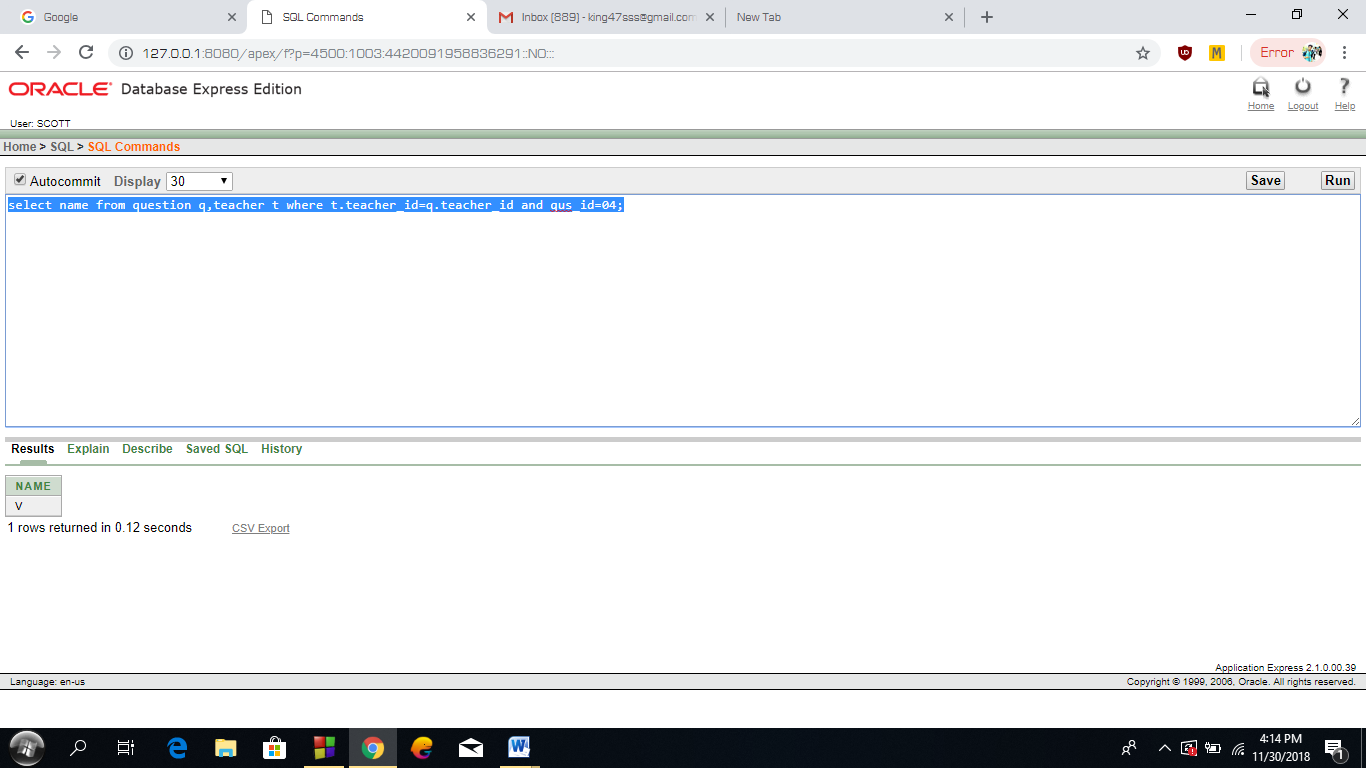
****

**2.** Show the teacher name with his or her question id?(join)

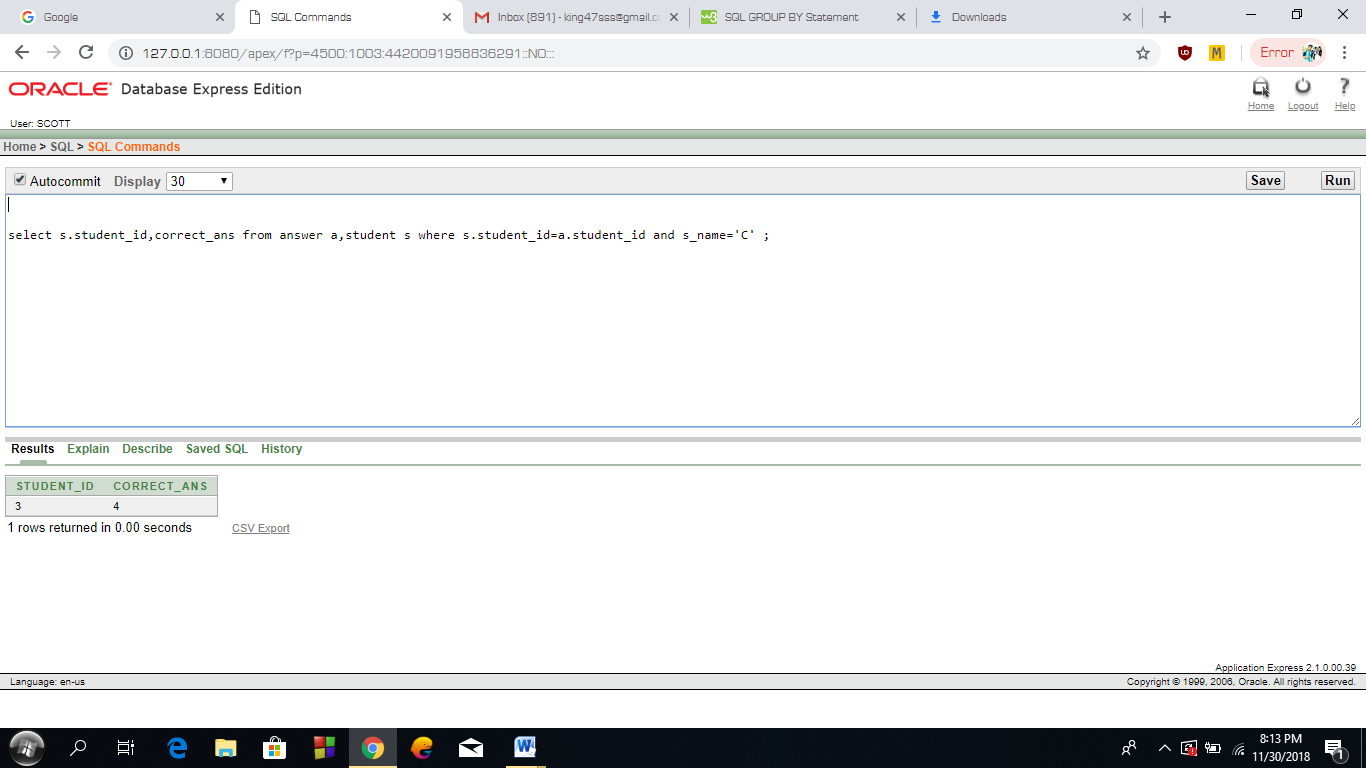
select t.name,q.qus\_id from teacher t, question q where t.teacher\_id=q.teacher\_id;

****

**3.** Find the teacher who created the question no 04 .(join)

select name from question q,teacher t where t.teacher\_id=q.teacher\_id and qus\_id=04; **4.** Show the id and number of correct answers given by student name C;

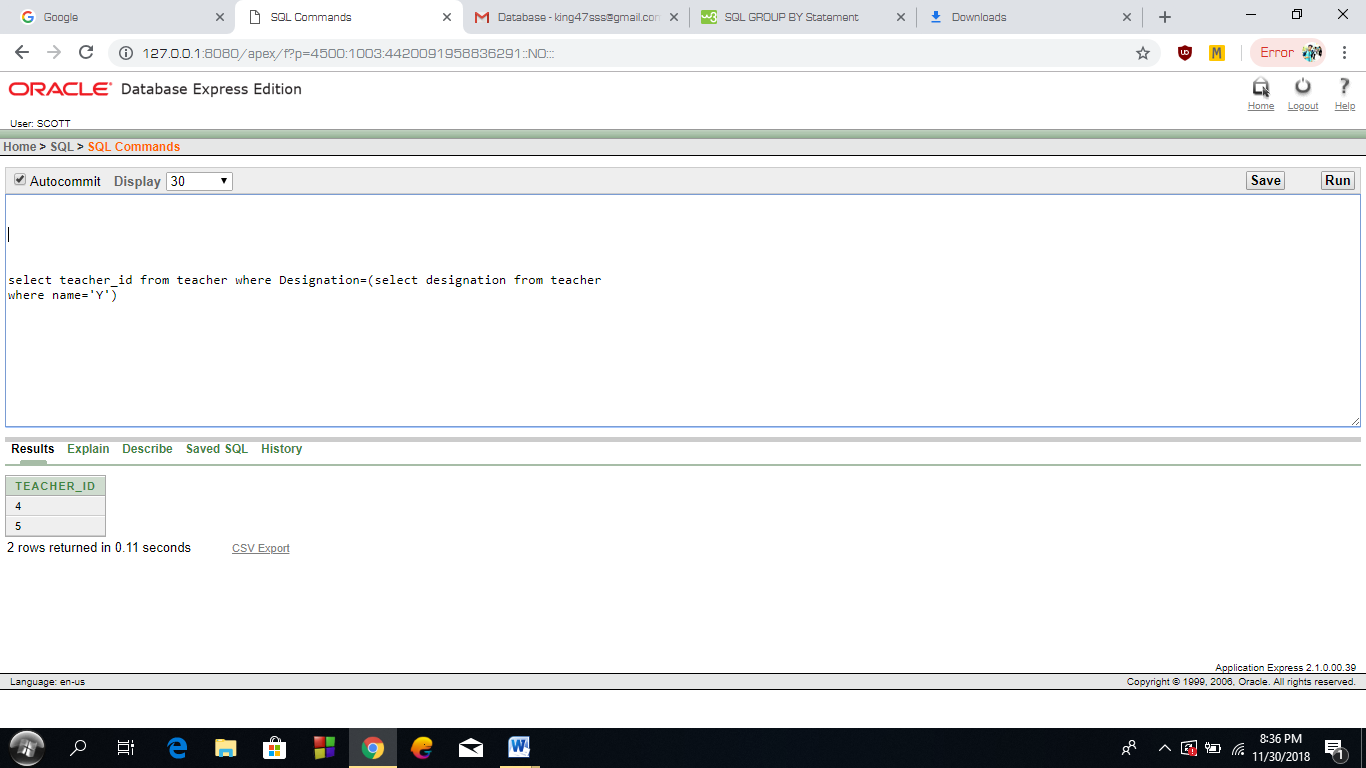
select s.student\_id,correct\_ans from answer a,student s where s.student\_id=a.student\_id and s\_name='C' ;

****

**SUB-QUERY:**

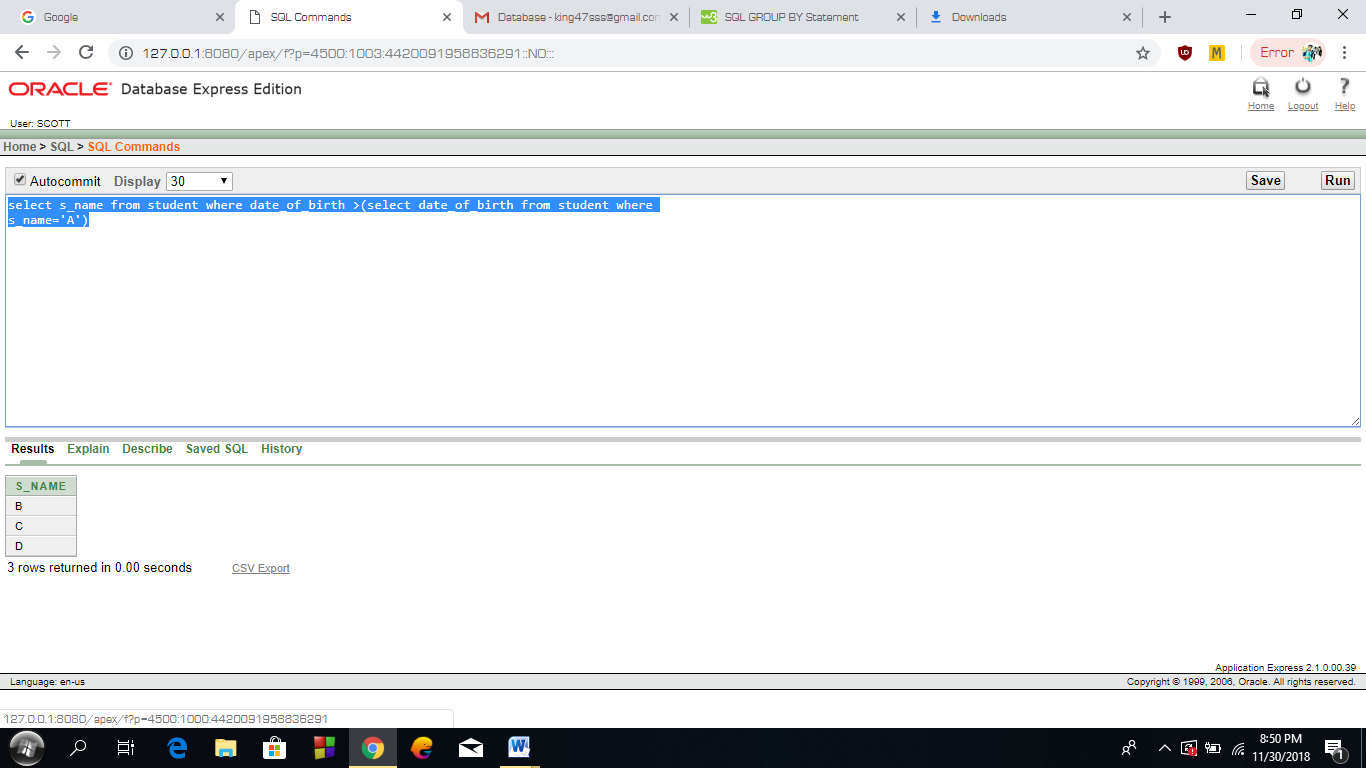
**1.** Find the teacher id where designation is same as ‘Y’?

select teacher\_id from teacher where Designation=(select designation from teacher where name='Y');



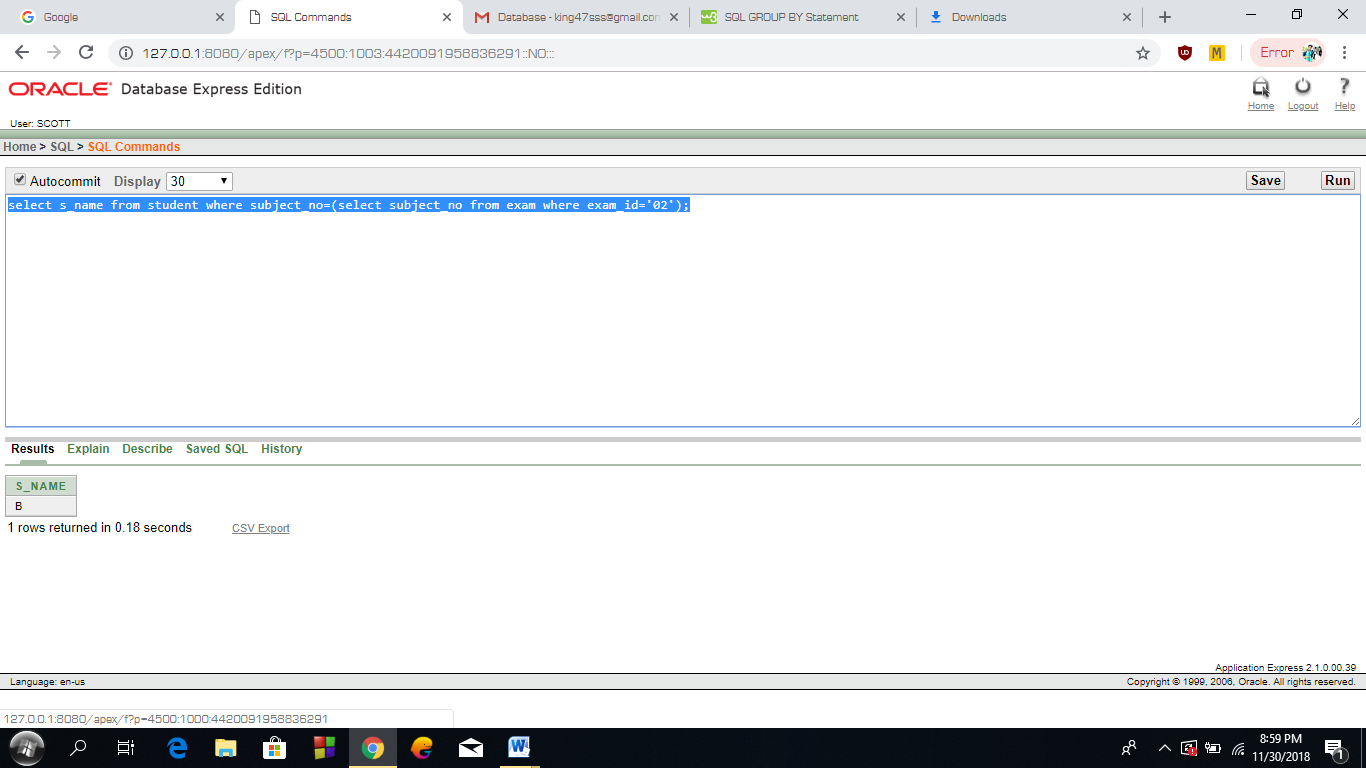
**2.** Find student name where date\_of\_birth is greater than ’A’?

select s\_name from student where date\_of\_birth >(select date\_of\_birth from student where s\_name='A');



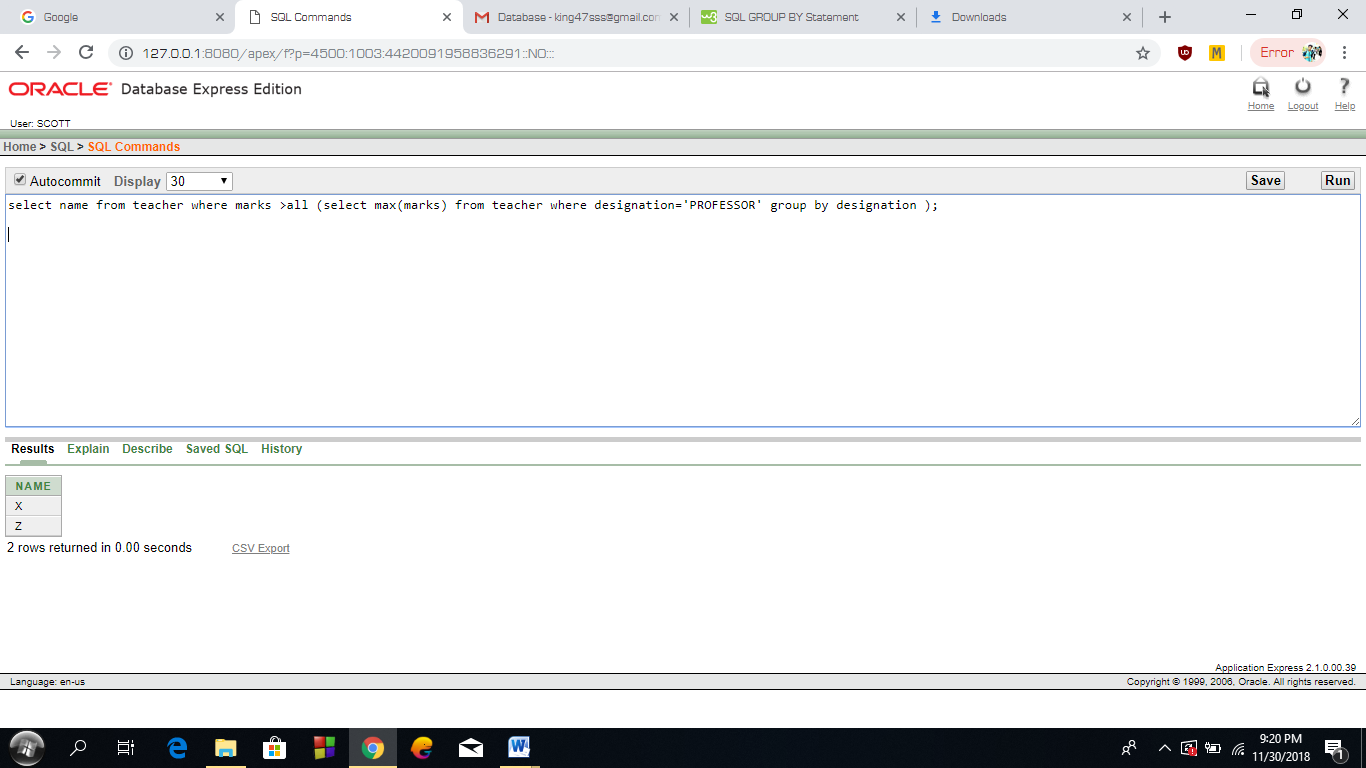
**3.** Show the name of the student who gave exam no 02;(sub)

select s\_name from student where subject\_no=(select subject\_no from exam where exam\_id='02');

****

**4.** Show the name of the teachers who give more marks from all professors.(sub)

select name from teacher where marks >all (select max(marks) from teacher where designation='PROFESSOR' group by designation );

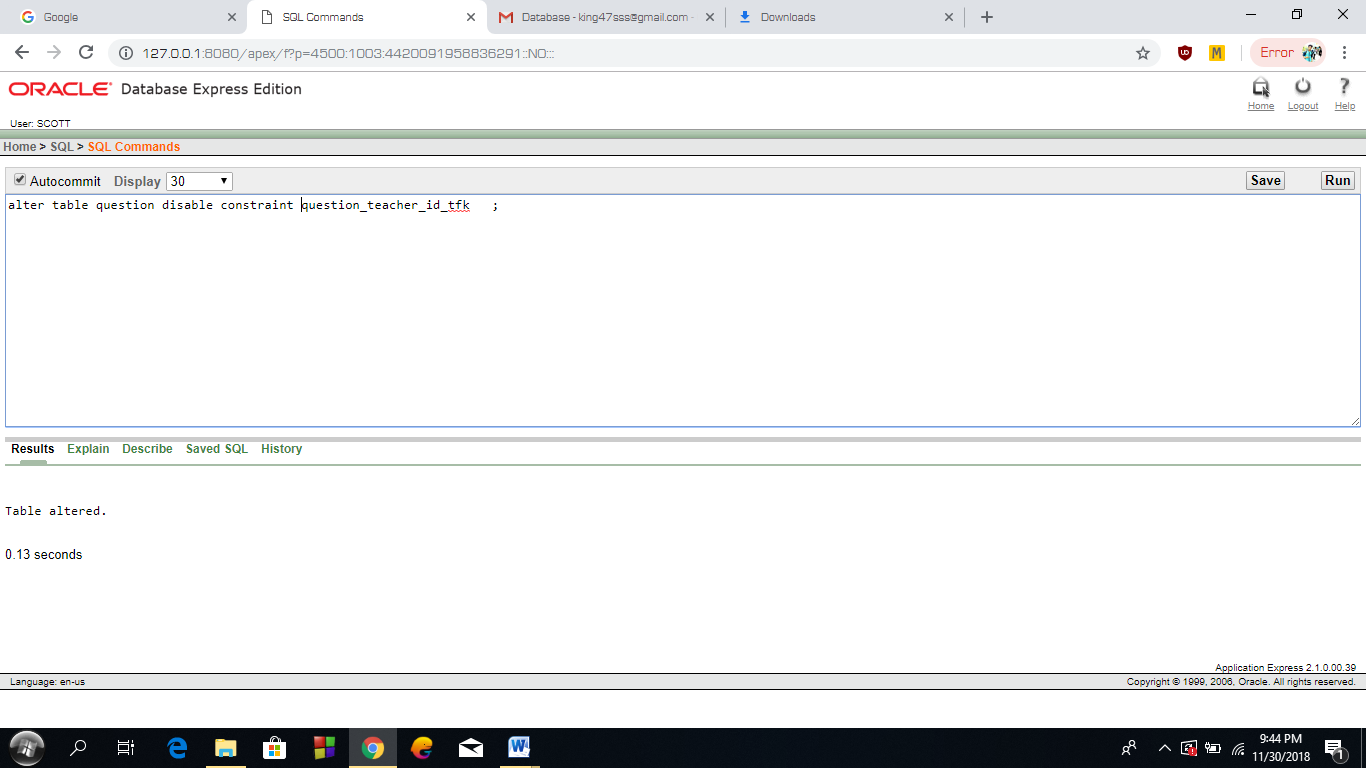


**ENABLE & DISABLE CONSTRAINTS:**

**DISABLE:**

Disable the constraint of teacher\_id from question table.

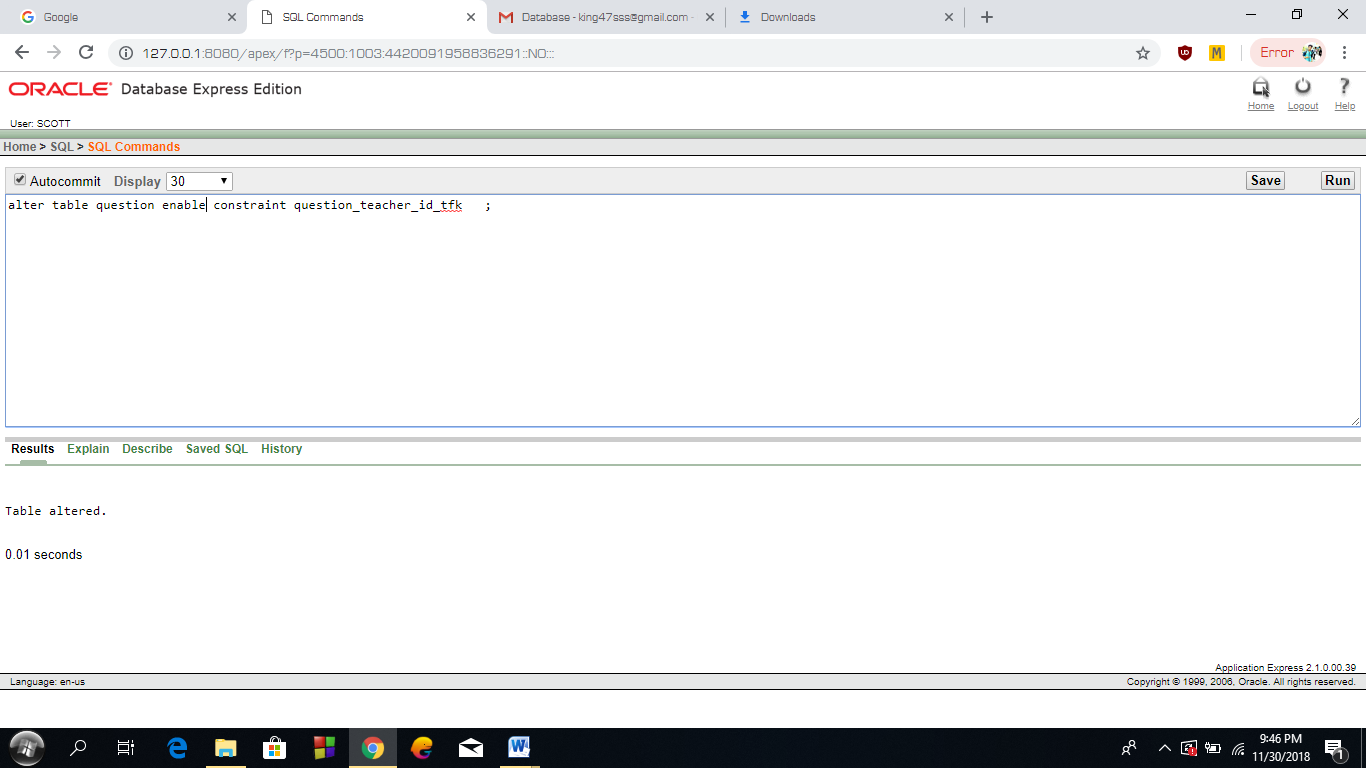
alter table question disable constraint question\_teacher\_id\_tfk ;



**ENABLE:**

Enable the constraint of teacher\_id from question table.

alter table question enable constraint question\_teacher\_id\_tfk;

****

**INTRODUCTION TO DATABASE**

**PROJECT FALL 2018-19**

**PROJECT NAME: Examination Management System.**

**Course Teacher: Kawser Irom Rushee**

**GROUP MEMBERS**

**NAME - ID - SECTION**

**1. SIJAN,MD.AHOSAN HOSSAIN 18-37099-1 K2**

**2. SHAHORIAR,ARSHAD 18-37104-1 K2**

**3. FAHAD MOLLA 18-37548-1 K2**

**4.RAHMAN,MAHMUDUR 18-36452-1 L**

### Database Project Report-Part 3