drop table sample\_business;

create table sample\_business as

(select y.id as business\_id,y.address,y.city,y.is\_open,y.latitude,y.longitude,y.name,y.neighborhood,y.postal\_code,

y.review\_count,y.stars,y.state from business as y,

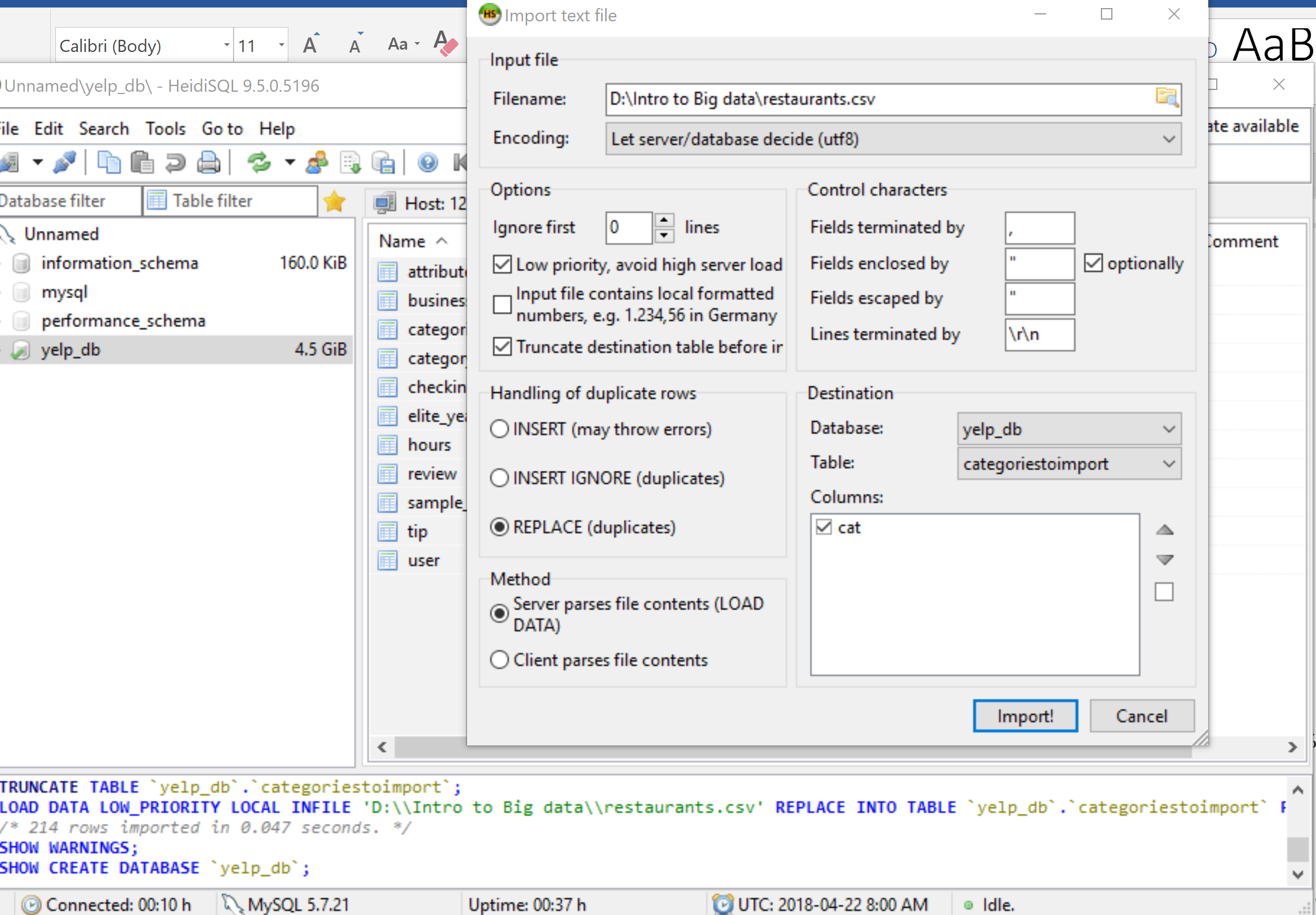
category as w where (y.id=w.business\_id) and w.category = "Restaurants" limit 10000);

alter table sample\_business add Primary key(business\_id);

**LOAD** **DATA** **LOW\_PRIORITY** **LOCAL** **INFILE** 'D:\\Intro to Big data\\restaurants.csv' **REPLACE** **INTO** **TABLE** `yelp\_db`.`categoriestoimport` **FIELDS** **TERMINATED** **BY** ',' **OPTIONALLY** **ENCLOSED** **BY** '"' **ESCAPED** **BY** '"' **LINES** **TERMINATED** **BY** '\r\n' (`cat`);

*/\* 214 rows imported in 0.047 seconds. \*/*

**SHOW** **WARNINGS**;



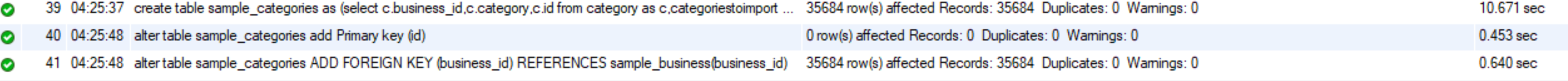
drop table sample\_categories;

create table sample\_categories as

(select c.business\_id,c.category,c.id from category as c,categoriestoimport as x,sample\_business as s where c.business\_id =s.business\_id and c.category=x.cat);

alter table sample\_categories add Primary key (id);

alter table sample\_categories ADD FOREIGN KEY (business\_id) REFERENCES sample\_business(business\_id);



create table sample\_review as

(select u.\* from review as u, sample\_business as s where u.business\_id=s.business\_id) limit 60000;

alter table sample\_review add Primary key (id);

alter table sample\_review ADD FOREIGN KEY (business\_id) REFERENCES sample\_business(business\_id);

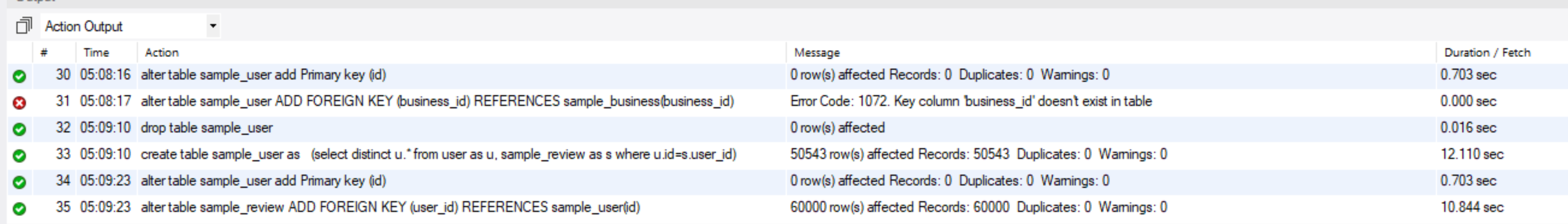
drop table sample\_user;

create table sample\_user as

(select distinct u.\* from user as u, sample\_review as s where u.id=s.user\_id) ;

alter table sample\_user add Primary key (id);

alter table sample\_review ADD FOREIGN KEY (user\_id) REFERENCES sample\_user(id);

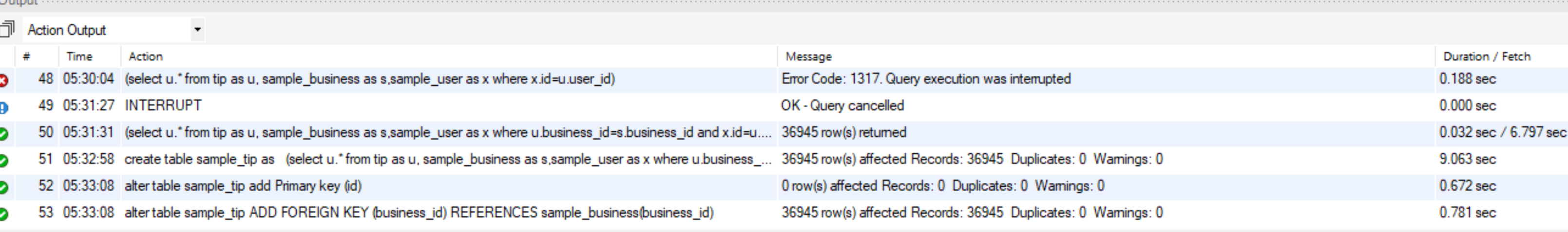


create table sample\_tip as

(select u.\* from tip as u, sample\_business as s,sample\_user as x where u.business\_id=s.business\_id and x.id=u.user\_id) ;

alter table sample\_tip add Primary key (id);

alter table sample\_tip ADD FOREIGN KEY (business\_id) REFERENCES sample\_business(business\_id);

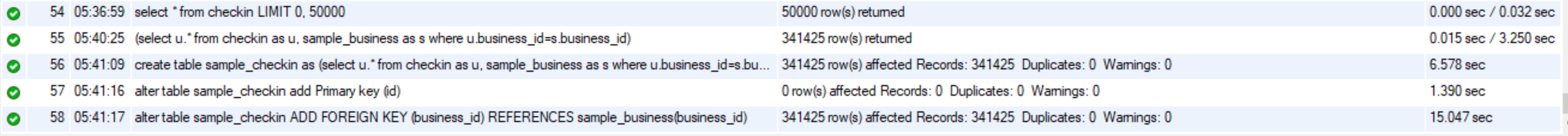


create table sample\_checkin as

(select u.\* from checkin as u, sample\_business as s where u.business\_id=s.business\_id);

alter table sample\_checkin add Primary key (id);

alter table sample\_checkin ADD FOREIGN KEY (business\_id) REFERENCES sample\_business(business\_id);



create table checkedin as

(SELECT

c.id,

c.business\_id,

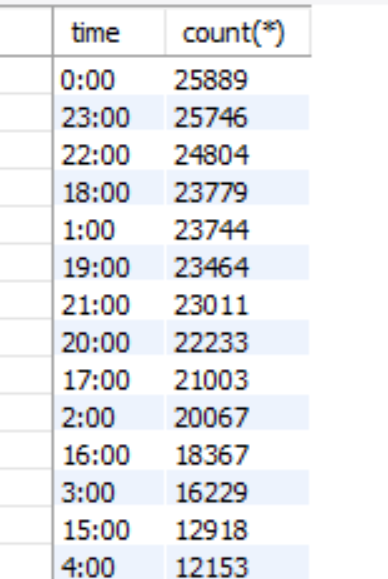
SUBSTRING\_INDEX(date, '-', 1) AS day,

SUBSTRING\_INDEX(date, '-', -1) AS time,

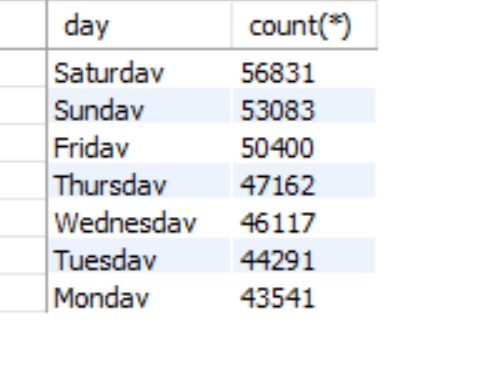
c.count

FROM checkin as c);

select time,count(\*) from checkedin group by time order by count(\*) desc;



select day,count(\*) from checkedin group by day order by count(\*) desc;



Example of finding busiest hours of a restaurant:

select day,count(\*) from checkedin,business where checkedin.business\_id=business.business\_id and business.name="Pizza Hut" and business.city="North York" group by day order by count(\*) desc;