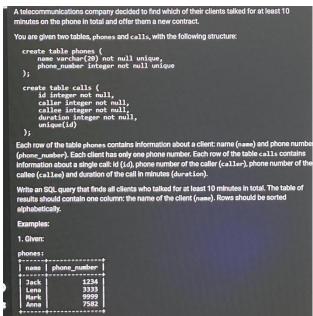
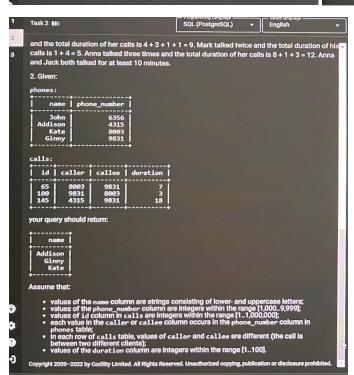
#### **TASK 2:**







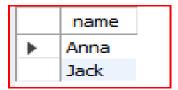
## Solution 1:

```
create table phones (
name varchar (20) not null unique,
 phone_number int not null unique);
 create table calls (
 id int not null,
 caller int not null,
 callee int not null,
 duration int not null,
 unique (id));
 select * from phones;
  select * from calls;
 insert into phones values ('Jack', 1234);
 insert into phones values ('Lena', 3333);
 insert into phones values ('Mark', 9999);
 insert into phones values ('Anna', 7582);
 insert into calls values (25, 1234, 7582, 8);
 insert into calls values (7,9999, 7582, 1);
 insert into calls values (18,9999, 3333, 4);
 insert into calls values (2,7582, 3333, 3);
 insert into calls values (3,3333, 1234, 1);
 insert into calls values (21, 3333, 1234, 1);
```

```
with call_mins as (
select caller as number, sum(duration) as duration from calls group by caller
union all
select callee as number, sum(duration) as duration from calls group by callee
)

SELECT name
FROM phones inner join call_mins on phones.phone_number = call_mins.number
GROUP BY name
HAVING SUM (duration) >= 10
ORDER BY name
```

# **OUTPUT:**



## Solution 2:

```
create table phones (
name varchar (20) not null unique,
phone_number int not null unique);

create table calls (
id int not null,
caller int not null,
duration int not null,
unique (id));
```

```
select * from phones;
 select * from calls;
 insert into phones values ('John', 6356);
 insert into phones values ('Addison', 4315);
 insert into phones values ('Kate', 8003);
 insert into phones values ('Ginny', 9831);
insert into calls values (65, 8003, 9831, 7);
insert into calls values (100,9831, 8003, 3);
insert into calls values (145,4315, 9831, 18);
with call mins as (
select caller as number, sum(duration) as duration from calls group by caller
union all
select callee as number, sum(duration) as duration from calls group by callee
)
SELECT name
FROM phones inner join call_mins on phones.phone_number = call_mins.number
GROUP BY name
HAVING SUM (duration) >= 10
ORDER BY name
```

### **OUTPUT:**

