Question 1 : Write the values of X and J in the squares below ---------- (1 minute)

```
$X = 5;
$J  = 6;
$J = $x++;
```

echo $J;	echo $X;
5	6

Question 2 : What is the difference between include and require ---------- (1 minute)

- **Require will result an error if the file is not found .** **Yes(Y)** **No( )**
- **Include will jump to the next row of code without making code stop.** **Yes(Y)** **No( )**

with resulting error

Question 3 : Answer the following ---------- ---------- (1 minute)

```
1) $posts->load('author.profile');

2) $posts->first()->author->profile;
```

Write the suitable line number between brackets
(1) Lazy loading
(2) Eager loading

Question 4 : Write down the result of the following form request ---------- (1 minute)

```
<form method="post" id="form" action="{{route('name.store')}}">
        <input type='text' name='en_name'>
        <input type='text' name='ar_name'>
        <button type='submit'> Save <button>
</form>
```

English Name : Mohamed

Arabic Name : محمد

SAVE

Your Answer : 419 Error For not using CSRF Token

Question 5 : what is the result of calling User::all(); in the first case and in the second case ---------- (2 minute)

```
class AgeScope implements Scope
 public function apply(Builder $builder, Model
$model){
      $builder->where('age', '>', 200);
   }
}
```

```
class User extends Model
{
  protected static function boot(){
     parent::boot();
     static::addGlobalScope(new
AgeScope);
   }
}
```

```
class User extends Model
{
  public function scopeAge($query){
     $query->where('age',>,'20');
   }
}
```

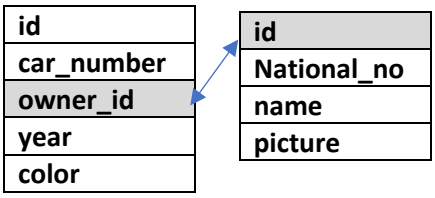
Your Answer:

First case:
It will show users over the age of 20

second case:
it will show all users

Question 6 : Write down the appropriate eloquent ORM for the following ---------- (10 minutes)

cars table **people table**



1) Select from people that have cars with only red colors;
2) Select from people where have car that is in year = 2000, the year is passed to the function from a request in **$request_value** variable;
Note : you can use Laravel docs to answer this question.

Important information to user

Models :
1)**Car**
|
|->Relation that link to **People Model** is called **people();**

2)**People**
|
|->Relation that link to **Car Model** is called **cars();**

The relation between People to Car is **1:M**

The Following form is used for task 2, this form will send request to our controller like the following request array :
$request_value = $request->input('year');

Search form

Year : 2000

Search

```
class Car extends from Model {

public $table = 'cars';
protected $fillable = ['car_number', 'owner_id, 'year', 'color'];
public function people(){
return $this->belongsTo(People::class, 'owner_id');
}

class People extends from Model {

public $table = people
protected $fillable = ['National_no, 'name, 'picture'];
public function car(){
return $this->hasMany(Car::class, 'owner_id');
}
```

```
$people = People::with(['cars'=> function ($query) {
    $query->where('color, '=', 'red');
}])->get();

$people = People::with(['cars'=> function ($query) {
    $query->where('year, '=', $request->year);
}])->get();
```

Project Task

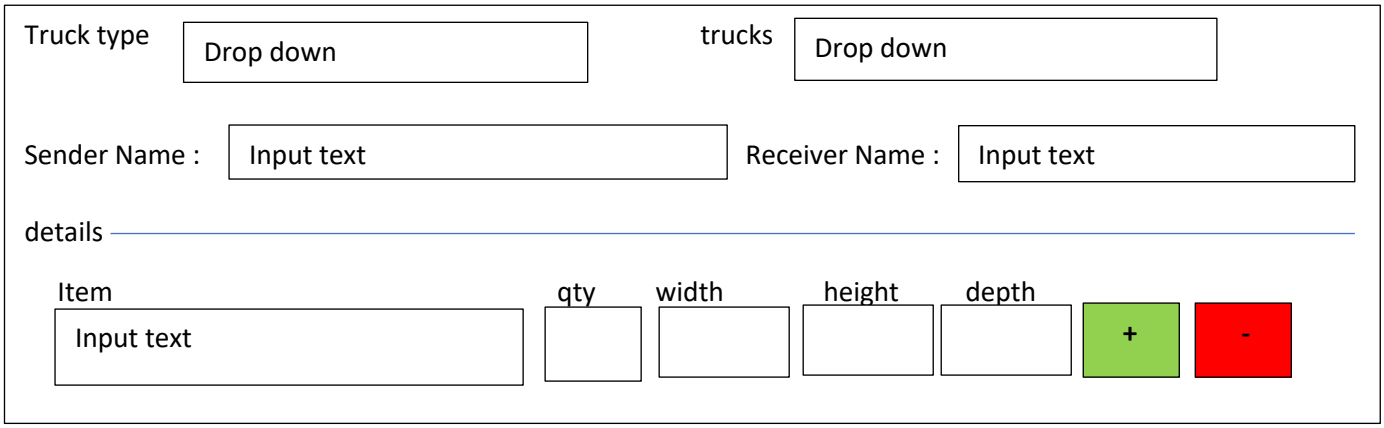
1) Make a Laravel migration for Trucks types table ---------- **(4 minutes)**
   a) Attributes (id, type_name varchar(100))

2) Create a seeder for truck types table with the following values (small, medium, large)

3) Create a CRUD for the entity **Truck** ----------**(30 minutes)**

a- The crud should contains migration,model,controller,route,index-create-update-delete view
b- Truck plate license contains text of 7 characters or numbers and is required
c- Truck back truck dimensions width (cannot be more than 2 meters),
height (cannot be more than 3 meters),
depth (cannot be more than 4 meters)
and each of them is required
d-Refer to truck type at your entity as a drop down
e-Add data of 3 trucks using your crud each one of them with a different type

3) Orders task ---------- **(60 minutes)**
Create only a **create** page and store function for the following:
create order



a) **Trucks** drop down is filtered by ajax according to **Truck type** drop down
b) Ability to add multiple rows in details section
c) Create whatever is needed migration,model,controller,route,create view.
d) Store the data in the database

4) Write just the pseudocode for the following function: ---------- (Bonus) ---------- **(15 minutes)**
if you need to fill the truck with items using orders table according to the area of the truck
write down the code of the function that achieve that task using pseudocode or php that explain your idea