

```

Question 1: Voting Eligibility
**Scenario:** Determine if a person is eligible to vote.

**Inputs:**
- `age`
- `citizenship` (boolean)

**Outputs:**
- `canVote`

**Algorithm:**
1. Check if the age of the person is 18 or older.
2. Check if the person has citizenship.
3. If both conditions are true, print `canVote`.
4. Otherwise, print `can not Vote`.

**Example:**
- Input: `age = 20`, `citizenship = true`
- Output: `canVote`

### Question 2: Admission to a Club
**Scenario:** Determine if a person can enter a club.

**Inputs:**
- `age`
- `hasInvitation` (boolean)

**Outputs:**
- `canEnterClub`

**Algorithm:**
1. Check if the age of the person is 21 or older.
2. Check if the person has an invitation.
3. If either condition is true, print `canEnterClub`.
4. Otherwise, print `canNotEnterClub`.

**Example:**
- Input: `age = 20`, `hasInvitation = true`
- Output: `canEnterClub`

### Question 3: Discount Eligibility
**Scenario:** Determine if a person is eligible for a discount at a store.

**Inputs:**
- `isMember` (boolean)
- `age`

**Outputs:**
- `isEligibleForDiscount`

**Algorithm:**
1. Check if the person is a member.
2. Check if the person is a senior (65 years old or older).
3. If either condition is true, print `isEligibleForDiscount`.
4. Otherwise, set `isNotEligibleForDiscount`.

**Example:**
- Input: `isMember = false`, `age = 70`
- Output: `isEligibleForDiscount`

### Question 4: Scholarship Eligibility
**Scenario:** Determine if a student is eligible for a scholarship.

**Inputs:**
- `gpa`
- `extracurriculars` (boolean)
- `recommendation` (boolean)

**Outputs:**
- `isEligibleForScholarship` (boolean)

**Algorithm:**
1. Check if the GPA of the student is 3.5 or higher.
2. Check if the student participates in extracurricular activities.
3. Check if the student has a recommendation letter.
4. If the GPA is 3.5 or higher AND either participation in extracurricular activities or a recommendation letter is true, print `isEligibleForScholarship`.
5. Otherwise, set `isNotEligibleForScholarship`.

**Example:**
- Input: `gpa = 3.6`, `extracurriculars = true`, `recommendation = false`
- Output: `isEligibleForScholarship`

```

1.)

```
var age=40;
var citizenship="have";
if(age>=18 && citizenship=="have"){
  console.log("he can vote");
}else
{
  console.log("he can't vote ");
}
```

O/P: he can vote

2.)

```
var age=20;
var card="invited";
if(age>=21 || card=="invited" ){
  console.log("the pesron can allow to the inside");
}else{
  console.log("sorry we cant allow")
}
```

O/P: the pesron can allow to the inside

3.)

```
var person=" not amembership";
var age=80;
if(person=="membeship" || age>=60){
```

```
    console.log("he can do shopping");  
  }else{  
    console.log("sorry you cant do shopping");  
  }  
}
```

O/P: he can do shopping

4.)

```
var gpa=3.6;  
var activities="true";  
var recomandation="false"  
if(gpa>=3.5 && activities=="true" || recomandation=="true"){  
  console.log("he is eligible");  
}else{  
  console.log("not eligible")  
}  
}
```

O/P: he is eligible