

1.Voting Eligibility

****Scenario:**** Determine if a person is eligible to vote.

****Inputs:****

- 'age'

- 'citizenship'(Boolean)

****Outputs:****

- 'canVote'

```
Answer:
var age = 17;
var citizen = true;

if (age >= 18 && citizen) {
    console.log("At age of", age, "He/She can Vote");
} else {
    console.log("At age of", age, "He/She cannot Vote");
}
O/P: "At age of 17 He/She cannot Vote"
```

2.Admission to a Club

****Scenario:**** Determine if person can enter a club

****Inputs:****

- 'age'

- 'hasInvitation' (Boolean)

****Outputs:****

- 'canEnterClub'

```
Answer:
var age = 100;
var hasInvitation = false;

if (age >= 21 || hasInvitation) {
    console.log("canEnterClub");
} else {
```

```
    console.log("canNotEnterClub");
  }
  O/P: "canEnterClub"
```

3. Discount Eligibility

****Scenario:**** Determine if a person is eligible for discount at a store.

****Inputs:****

- 'isMember' (Boolean)

- 'age'

****Outputs:****

- 'isEligibleForDiscount'

Answer:

```
var isMember = false;
var age = 20;
if (age >= 65 || isMember) {
    console.log("isEligibleForDiscount");
} else {
    console.log("isNotEligibleForDiscount");
}
O/P: "isNotEligibleForDiscount"
```

4 Scholarship Eligibility

****Scenario:**** Determine if a student is eligible for a scholarship.

****Inputs:****

- 'gpa'

- 'extracurricular' (Boolean)

- 'recommendation' (Boolean)

****Outputs:****

-'isEligibleForScholarship'

Answer

```
var gpa = 3.6;

var extracurricular = true;

var recommendation = false;


if ((gpa >= 3.5 && extracurricular || recommendation) {
  console.log("isEligibleForScholarship");
} else {
  console.log("isNotEligibleForScholarship");
}

O/P: "isEligibleForScholarship"
```