### **Conditionals**

### **1. Driving License Eligibility**

Write a program that checks if a person is eligible for a driving license. The conditions are as follows:

* The person's age should be between 18 and 65 (inclusive).
* The person should have a minimum of 2 years of driving experience.
* The person should not have more than 3 traffic violations in the past 5 years.

Test Case:

* Input: age = 25, experience = 3, violations = 1
* Output: "Eligible for Driving License”

### **2. Fitness Club Membership**

Write a program that checks if a person is eligible for a fitness club membership. The conditions are:

* The person's age should be between 21 and 45 (inclusive).
* The person's BMI (Body Mass Index) should be between 18.5 and 24.9.
* The person should be free from chronic diseases.

Test Case:

* Input: age = 30, BMI = 22.5, chronicDisease = false
* Output: "Eligible for Fitness Club Membership"

### **3. Scholarship Eligibility**

Write a program that checks if a student is eligible for a scholarship. The conditions are:

* The student's GPA should be at least 3.5.
* The student should have completed at least 30 credit hours.
* The student's annual family income should be less than $50,000.

Test Case:

* Input: GPA = 3.8, creditHours = 32, income = 45000
* Output: "Eligible for Scholarship"

### **4. Job Application Eligibility**

Write a program that checks if a candidate is eligible for a job application. The conditions are:

* The candidate should be between 22 and 40 years old.
* The candidate should have at least a Bachelor's degree.
* The candidate should have a minimum of 3 years of experience in the relevant field.

Test Case:

* Input: age = 28, degree = "Bachelor's", experience = 5
* Output: "Eligible for Job Application"

### **5. Loan Approval**

Write a program that checks if a person is eligible for a loan. The conditions are:

* The person’s age should be between 25 and 60 years old.
* The person’s monthly income should be at least $3,000.
* The person should have no outstanding loans.

Test Case:

* Input: age = 35, monthlyIncome = 3500, outstandingLoans = false
* Output: "Eligible for Loan"

### **6. Marathon Participation**

Write a program that checks if a person is eligible to participate in a marathon. The conditions are:

* The person's age should be between 18 and 55 (inclusive).
* The person should have completed at least 3 marathons in the past.
* The person should not have any injuries.

Test Case:

* Input: age = 30, marathonsCompleted = 5, injured = false
* Output: "Eligible for Marathon"

### **7. Home Insurance Policy**

Write a program that checks if a person is eligible for a home insurance policy. The conditions are:

* The home should be between 5 and 30 years old.
* The property value should be between $100,000 and $1,000,000.
* The home should not be in a flood-prone area.

Test Case:

* Input: homeAge = 15, propertyValue = 250000, floodProneArea = false
* Output: "Eligible for Home Insurance Policy"