

## 1)Bank Loan Approval System:

```
public class LoanApproval {
    public String checkLoanApproval(double salary, int creditscore){
        if((salary>=80000)&&(creditscore>750)){
            return "Loan Approved";
        }
        else if((salary>=50000 && salary<=80000)&&(creditscore>650&&creditscore<750)){
            return "Loan Approved with Higher Interest Rate";
        }
        else if((salary>=30000 && salary<=50000)&&(creditscore>500&&creditscore<650)){
            return "Co-signer Required";
        }
        else{
            return "Loan Rejected";
        }
    }
}
public static void main(String args[]){
    LoanApproval obj=new LoanApproval();
    System.out.println("Loan Status:"+obj.checkLoanApproval(55000,656));
}
}
```

## 2)University Admission Criteria:

```
public class UniversityAdmission {
    public String evaluateAdmission(int marks, boolean sportsAchievement){
        if(marks>=95){
            return "Admitted with Scholarship";
        }
        else if(marks>=85 && marks<=94){
            return "admitted without Scholarship";
        }
        else if((marks>=70 && marks<=84)&&(sportsAchievement)){
            return "Admitted under Sports quota";
        }
        else if(marks>=60 && marks<=69){
            return "Interview Required";
        }
        else{
            return "Admission Rejected";
        }
    }
}
public static void main(String args[]){
    UniversityAdmission obj=new UniversityAdmission();
    System.out.println("Admission Status:"+obj.evaluateAdmission(80,true));
}
}
```

### 3)Employee Bonus Calculation:

```
public class BonusCalculator {
    public double calculatorBonus(int experience, int rating, double salary){
        if(experience>=5 && rating>=9){
            return salary *0.50;
        }
        else if((experience>=3 && experience<=5)&&(rating>7 && rating<9)){
            return salary *0.30;
        }
        else if((experience>=1 && experience<=3)&&(rating>5 && rating<7)){
            return salary *0.10;
        }
        else{
            return 0;
        }
    }
    public static void main(String args[]){
        BonusCalculator obj=new BonusCalculator();
        double bonus=obj.calculatorBonus(2,6,4000);
        System.out.println("Bonus Amount:"+bonus);
    }
}
```

### 4)Car Insurance Premium Calculation:

```
public class InsurancePolicy {
    public String calculatePremium(int age, int experience){
        if(age>=50 && experience>=10){
            return "Lowest Premium";
        }
        else if((age>=30 && age<=50)&&(experience>=5)){
            return "Moderate Premium";
        }
        else if((age>=18 && age<=30)&&(experience<5)){
            return "Highest Premium";
        }
        else{
            return "Not Eligible for Insurance";
        }
    }
    public static void main(String args[]){
        InsurancePolicy obj=new InsurancePolicy();
        System.out.println("Premium Category:"+obj.calculatePremium(25,3));
    }
}
```

### 5)Movie Ticket Pricing System:

```
public class MovieTheater {
    public double getTicketPrice(int age){
        if(age<5){
            return 0.0;
        }
        else if(age>=5 && age<=12){
            return 5.0;
        }
        else if(age>=13 && age<60){
            return 10.0;
        }
        else if(age>=60){
            return 5.0;
        }
        else{
            return 0.0;
        }
    }
}

public static void main(String args[]){
    MovieTheater mt =new MovieTheater();
    double price=mt.getTicketPrice(35);
    System.out.println("Ticket Price:"+price);
}
}
```