BigDecimal totalIns=BigDecimal.***ZERO***;

BigDecimal premiumAmount = BigDecimal.***ZERO***;

BigDecimal sumInsuredAmount = BigDecimal.***ZERO***;

BigDecimal sumInsuredPercentage =BigDecimal.***ZERO***;

BigDecimal sumInsuredAmountPer = BigDecimal.***ZERO***;

BigDecimal totalPercentage = BigDecimal.***ZERO***;

BigDecimal totalPremium = BigDecimal.***ZERO***;

SimpleDateFormat sdf1 = **new** SimpleDateFormat("dd/MM/yyyy");

res= mapper.map(req, PremiumCalculationSuccessRes.**class**);

BigDecimal sumAmount =**new** BigDecimal(req.getSumInsAmt());

**if**( **new** BigDecimal(0).compareTo( sumAmount) < 0 && sumAmount.compareTo( **new** BigDecimal(100000)) < 0 ) {

sumInsuredPercentage = **new** BigDecimal(10);

}**else** **if**( **new** BigDecimal(100001).compareTo( sumAmount) < 0 && sumAmount.compareTo( **new** BigDecimal(200000)) < 0 ) {

sumInsuredPercentage = **new** BigDecimal(20);

}

**else** **if**( **new** BigDecimal(200001).compareTo( sumAmount) < 0 && sumAmount.compareTo( **new** BigDecimal(500000)) < 0 ) {

sumInsuredPercentage = **new** BigDecimal(30);

}

sumInsuredAmountPer = (sumInsuredAmount.multiply(sumInsuredPercentage)).divide(**new** BigDecimal(100));