**Case1:-**

public class EmployeeWageCalculation {

public static void main(String[] args){

int IS\_FULL\_TIME = 1;

double empCheck = Math.floor(Math.random() \* 10) % 2;

if ( empCheck == IS\_FULL\_TIME)

System.out.println("Employee is Present");

else

System.out.println("Employee is Absent");

}

}

**Case2;\_**

public class EmployeeWageCalculation12 {

public static void main(String[] args){

int IS\_FULL\_TIME = 1;

int EMP\_RATE\_PER\_HOUR=20;

int empHrs=0;

int empWage=0;

double empCheck = Math.floor(Math.random() \* 10) % 2;

if ( empCheck == IS\_FULL\_TIME)

empHrs = 8;

else{

System.out.println("Employee is Absent");

}

empWage = empHrs \* EMP\_RATE\_PER\_HOUR;

System.out.println("Emp Wage:" + empWage);

}

}

**Case3:-**

public class EmployeeWageCalculation13 {

public static final int IS\_PART\_TIME = 1;

public static final int IS\_FULL\_TIME = 2;

public static final int EMP\_RATE\_PER\_HOUR = 20;

public static void main(String[] args){

int empHrs=0;

int empWage=0;

double empCheck = Math.floor(Math.random() \* 10) % 3;

if ( empCheck == IS\_FULL\_TIME)

empHrs = 8;

else if ( empCheck == IS\_PART\_TIME)

empHrs = 4;

else{

empHrs = 0;

}

empWage = empHrs \* EMP\_RATE\_PER\_HOUR;

System.out.println("Emp Wage:" + empWage);

}

}

**Case4:-**

public class EmployeeWageCalculation14 {

public static final int IS\_PART\_TIME = 1;

public static final int IS\_FULL\_TIME = 2;

public static final int EMP\_RATE\_PER\_HOUR = 20;

public static void main(String[] args){

int empHrs=0;

int empWage=0;

int empCheck = (int) Math.floor(Math.random() \* 10) % 3;

switch (empCheck){

case IS\_PART\_TIME:

empHrs = 4;

break;

case IS\_FULL\_TIME:

empHrs=8;

break;

default:

empHrs=0;

}

empWage = empHrs \* EMP\_RATE\_PER\_HOUR;

System.out.println("Emp Wage:" + empWage);

}

}

**Case5:-**

public class EmployeeWageCalculation15 {

public static final int IS\_PART\_TIME = 1;

public static final int IS\_FULL\_TIME = 2;

public static final int EMP\_RATE\_PER\_HOUR = 20;

public static final int NUM\_OF\_WORKING\_DAYS = 20;

public static void main(String[] args){

int empHrs = 0, empWage = 0, totalEmpWage = 0;

for (int days = 0; days < NUM\_OF\_WORKING\_DAYS; days++) {

int empCheck = (int) Math.floor(Math.random() \* 10) % 3;

switch (empCheck){

case IS\_PART\_TIME:

empHrs = 4;

break;

case IS\_FULL\_TIME:

empHrs=8;

break;

default:

empHrs=0;

}

empWage = empHrs \* EMP\_RATE\_PER\_HOUR;

totalEmpWage += empWage;

System.out.println("Emp Wage:" + empWage);

}

System.out.println("Total Emp Wage: " + totalEmpWage);

}

}

**Case6:-**

public class EmployeeWageCalculation16 {

public static final int IS\_PART\_TIME = 1;

public static final int IS\_FULL\_TIME = 2;

public static final int EMP\_RATE\_PER\_HOUR = 20;

public static final int NUM\_OF\_WORKING\_DAYS = 20;

public static final int MAX\_HRS\_IN\_MONTH = 100;

public static void main(String[] args){

int empHrs = 0, totalEmpHrs = 0, totalWorkingDays = 0;

while ( totalEmpHrs <= MAX\_HRS\_IN\_MONTH && totalWorkingDays < NUM\_OF\_WORKING\_DAYS ) {

totalWorkingDays++;

int empCheck = (int) Math.floor(Math.random() \* 10) % 3;

switch (empCheck){

case IS\_PART\_TIME:

empHrs = 4;

break;

case IS\_FULL\_TIME:

empHrs=8;

break;

default:

empHrs=0;

}

totalEmpHrs += empHrs;

System.out.println("Days#: " + totalWorkingDays + " Emp Hr: " +empHrs);

}

int totalEmpWage = totalEmpHrs \* EMP\_RATE\_PER\_HOUR;

System.out.println("Total Emp Wage: " + totalEmpWage);

}

}