1. Write a Java program to create a class Employee with members empid,

empname, empnohrs, empbasic, emphra(%), empda(%),empit(%), empgross.

Include methods to do the following:

i. Accept all values from the user. Note HRA, DA and IT are given in %

ii. Calculate the gross salary based on the formula

empgross= empbasic + empbasic\*emphra + empbasic\*empda - empbasic\*empit

iii. Consider the overtime amount to be Rs.100 per hour. If empnohrs &gt;200, for

everyhour the employee is to be given additional payment Calculate the

additional payment and update the gross. If empnohrs&lt;200, reduce Rs.100 per

hour and update the gross.

import java.util.Scanner;

class Employee

{

String empid;

String empname;

int empnohrs;

double empbasic,emphra,empda,empit,empgross;

void accept()

{

System.out.println("Enter employee details");

Scanner xx=new Scanner(System.in);

System.out.println("Enter employee ID:");

empid=xx.next();

System.out.println("Enter name:");

empname=xx.next();

System.out.println("Enter no of hours:");

empnohrs=xx.nextInt();

System.out.println("Enter basic salary:");

empbasic=xx.nextDouble();

System.out.println("Enter HRA percentage:");

emphra=xx.nextDouble();

System.out.println("Enter DA percentage:");

empda=xx.nextDouble();

System.out.println("Enter IT percentage:");

empit=xx.nextDouble();

}

void calculate()

{

double additional=0.0;

empgross=empbasic+empbasic\*emphra+empbasic\*emphra-empbasic\*empit;

if(empnohrs>200)

{

System.out.println("gross salary:"+empgross);

additional=(empnohrs-200)\*100;

empgross+=additional;

System.out.println("overtime amount : "+additional);

System.out.println("final salary : "+empgross);

}

if(empnohrs<200)

{

System.out.println("gross salary:"+empgross);

additional=(200-empnohrs)\*100;

empgross=empgross-additional;

System.out.println("overtime amount : "+additional);

System.out.println("final salary : "+empgross);

}

}

public static void main(String args[])

{

Employee e=new Employee();

e.accept();

e.calculate();

}

}

2. Create a class Age which has the members – years and months. Collect the age of two

people (Choose their names yourself) (create two age objects) and find who is the

elder of the two people.

import java.util.Scanner;

class Age

{

int years;

int months;

public static void main(String args[])

{

Scanner xx =new Scanner(System.in);

Age a1=new Age();

Age a2=new Age();

System.out.println("Enter age of Rashmi");

a1.years=xx.nextInt();

a1.months=xx.nextInt();

System.out.println("Enter age of Simran");

a2.years=xx.nextInt();

a2.months=xx.nextInt();

if(a1.years>a2.years)

{

System.out.println("Rashmi is elder than Simran");

}

else if(a2.years>a1.years)

{

System.out.println("Simran is elder than Rashmi");

}

else if(a1.years==a2.years)

{

if(a1.months>a2.months)

{

System.out.println("Rashmi is elder than Simran");

}

else if(a2.months>a1.months)

{

System.out.println("Simran is elder than Rashmi");

}

else

{

System.out.println("Both are of same age");

}

}

}

}