

WEEK 5 (12/10/2020)

Q.1) Employee hra, Encome Tax, Dearness Allowance;

```
import java.util.Scanner;
class employee{
    Scanner sc = new Scanner(System.in);
    double empbasic, emphra, empda, empit, empgross, empnohrs;
    String empid, empname;

    void accept(){
        System.out.print("ENTER EMPLOYEE DETAILS\n");
        System.out.print("-----\n");
        System.out.print("NAME :");
        empname = sc.next();
        System.out.println("ID :");
        empid = sc.next();
        System.out.println("BASIC SALARY :");
        empbasic = sc.nextDouble();
        System.out.println("ENTER HRA DA IT PERCENTAGES");
        emphra = sc.nextDouble();
        empda = sc.nextDouble();
        empit = sc.nextDouble();
        System.out.println("NO OF HOURS WORKED :");
        empnohrs = sc.nextDouble();
    }

    void gross(){
        empgross = (empbasic + (empbasic * (emphra/100) ) +(empbasic *
(empda/100)) ) - (empbasic*(empit/100));
    }

    void display(){
        System.out.println("GROSS AMOUNT");
        System.out.println("-----");
        System.out.println(empgross);
    }

    void overtime(){
        if(empnohrs >= 200) {
            empgross = empgross + ((empnohrs - 200) * 100);
        }
        else{
            empgross = empgross - ((200-empnohrs)*100);
        }
        System.out.println(empgross);
    }
}
```

```

}

class employeeMain{
    public static void main(String ss[]){
        Scanner sc = new Scanner(System.in);
        int n;
        System.out.println("ENTER THE NUMBER OF EMPLOYEE'S");
        n = sc.nextInt();
        employee e1[] = new employee[n];
        for(int i=0;i<n;i++) {
            System.out.println("EMPLOYEE :"+(i+1));
            e1[i] = new employee();
            e1[i].accept();
            e1[i].gross();

        }
        for(int i=0;i<n;i++) {
            System.out.println("\n\n*****");
            System.out.println("EMPLOYEE :"+(i+1));
            e1[i].display();
            System.out.println("-----");
            System.out.println("SALARY UPDATE AFTER CHECKING WORKED NO OF
HOURS");
            System.out.println("-----");
            e1[i].overtime();
        }
    }
}

```

Q.2) Age Problem , years – months;

```

import java.util.Scanner;
class age{
    int years;
    int months;
    String name;
    Scanner sc = new Scanner(System.in);
    void accept() {
        System.out.println("ENTER HOW YEARS OLD IS :");
        years = sc.nextInt();
        System.out.println("ENTER HOW MONTHS OLD IS :");
        months = sc.nextInt();
    }

    double calc() {
        double x;
        x = ((years * 12) + (months));
        return x;
    }
}

```

```

    }

    void name(String xx){
        name = xx;
    }
}

class ageMain {
    public static void main(String ss[]) {
        age a1 = new age();
        age a2 = new age();
        /*a1.name(kishore);
        a2.name(MANDODARI);*/
        System.out.println("ENTER KISHORE AGE");
        a1.accept();
        System.out.println("ENTER MANDODARI AGE");
        a2.accept();

        a1.calc();
        a2.calc();

        if (a1.calc() > a2.calc()) {
            System.out.println("KISHORE IS ELDER THAN MANDODARI BY " +
((a1.calc()) - (a2.calc()))/12)+" YEARS");
        } else if (a2.calc() > a1.calc()) {
            System.out.println("MANDODARI IS ELDER THAN KISHORE BY " +
((a2.calc()) - (a1.calc()))/12)+" YEARS");
        } else if (a2.calc() == a1.calc()) {
            System.out.println("MANDODARI AND KISHORE SAME YEARS OLD");
        }
        else {
            System.out.println("I AM UNABLE TO CALCULATE SORRY");
        }
    }
}

```