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LAB 3: WAP to display book details.

```
1. import java.util.*;
class book {
String booktitle;
String author;
int no_of_pages;
double price;
Scanner sc = new Scanner(System.in)
book()
{
  booktitle = " ";
  author = " ";
  no_of_pages = 0;
  price = 0;
}
void getdetails()
{
  System.out.print("enter the book title");
booktitle = sc.nextLine();
System.out.print("enter author name");
author = sc.nextLine();
System.out.print("enter the price of the book");
price = sc.nextDouble();
System.out.println("enter the no of Pages");
no_of_pages = sc.nextInt();
}
public String toString()
{
  return ("bookname = " + booktitle + "author"
      + author + "book price = " + price +
    "pages = " + no_of_pages);
}
}
```

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```
public class books
{
public static void main(String[] args)
 {
  int i,a;
  Scanner in = new Scanner(System.in);
  System.out.println("enter no of book:");
  a = in.nextInt();
  book[] b = new book[a];
  for(i=0; i<a; i++)
   {
    System.out.println("enter details of the book"
                        +(i+1));
    b[i] = new book();
    b[i].getdetails();
  }
  for(i=0;i<a;i++)
   {
    System.out.println(b[i]);
  }
}
}
```

2) WAP to calculate & display employee salary

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

```
System.out.println("enter employee id:");
empid = sc.nextLine();
System.out.println("enter name:");
empname = sc.nextLine();
System.out.println("enter no of hours:");
empnohrs = sc.nextInt();
System.out.println("enter basic salary hra da
and it in percentage:");
empbasic = sc.nextDouble();
emphra = sc.nextDouble();
empda = sc.nextDouble();
empit = sc.nextDouble();
}
void calculate()
{
double extra = 0.0;
empgross = empbasic + empbasic * emphra +
empbasic * emphra - empbasic * empit;
if (empnohrs > 200)
extra = (empnohrs - 200) * 10;
if (empnohrs < 200)
extra = -(empnohrs - 200) * 10;
System.out.println("gross salary = "+empgross);
empgross = empgross + extra;
if (extra == 0.0)
System.out.println("No change in salary
after considering no of hours of work\n
final salary:" + empgross);
else if (extra > 0.0)
{
System.out.println("overtime amount:"+extra);
System.out.println("Final salary:"+empgross);
}
```

```
else
{
System.out.println("salary reduced "+extra);
System.out.println("Final salary :"empgross);
}
}
}

public class salary{
public static void main(String [] args)
{
employee obj = new employee();
obj.accept();
obj.calculati();
}
}
```

3. WAP to find out eldest of two people.

```
import java.util.*;
class age
{
int years, months, newage;
String name;
int accept()
{
Scanner sc = new Scanner(System.in);
System.out.println("enter name:");
name = sc.nextLine();
System.out.println("enter age in years & months respectively:");
years = sc.nextInt();
months = sc.nextInt();
newage = years*12 + months;
```

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```
int calculate(int x, int y)
 {
  if (x>y)
  return 1;
  else
  return 0;
 }
}

public class abc{
   public static void main (String [] args)
    {
     int m, n, g;
     age obj1 = new age();
     age obj2 = new age();
     m = obj1.accept();
     n = obj2.accept();
      g = obj2.calculate(m,n);
    if (g==1)
    System.out.println(obj1.name+" is the elder
                                  person");
     if (g==0)
System.out.println("obj2.name+" is the elder
                                  person");
   }
}
```