CSE18R272-LAB MANUAL

KALASALINGAM ACADEMY OF RESEARCH AND EDUCATION

COMPUTER SCIENCE AND EDUCATION

Date: 16-09-2020

Day: Wednesday

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Section: A5

Course name: java programming

Course Code: CSE18R272

Date of submission : 16-09-2020

**16 September**

**1**program

class Employee{

String firstname;

String lastname;

double salary;

public Employee(String fn,String ln,double sal){

firstname = fn;

lastname = ln;

if(salary<0){

salary=0.0;

}

else{

salary = sal;

}

}

void setFn(String fn){

firstname = fn;

}

void setLn(String ln){

lastname=ln;

}

void setSal(double sal){

if(salary<0){

salary=0.0;

}

else{

salary = sal;

}

}

String getFn(){

return firstname;

}

String getLn(){

return lastname;

}

double getsal(){

return salary;

}

double sal(int percent){

salary+=salary\*((percent/100.0));

return salary;

}

}

public class Main

{

public static void main(String[] args) {

Employee em1 = new Employee("Chinna","k",50000);

Employee em2 = new Employee("Pavithra","K",40000);

System.out.println(em1.getFn() + em1.getLn() +em1.getsal());

System.out.println(em2.getFn() + em2.getLn() +em2.getsal());

double s = em1.sal(10);

System.out.println("Annual salary is " + (s\*12));

double s2 = em2.sal(15);

System.out.println("Annual salary is " + (s2\*12));

}

}

Output:

Chinnak50000.0

PavithraK40000.0

Annual salary is 660000.0

Annual salary is 552000.0

[Program finished]

2 Program

class Invoice{

String partnumber;

String partdescription;

double price;

int quantity;

public Invoice(String pno,String pds,double rate,int qu){

partnumber = pno;

partdescription = pds;

price = rate;

quantity = qu;

if(price<0){

price=0.0;

}

else{

price = rate;

}

if(quantity<0){

quantity=0;

}

else{

quantity = qu;

}

}

void setPno(String pno){

partnumber = pno;

}

void setPds(String pds){

partdescription = pds;

}

void setPrice(double rate){

if(price<0){

price=0.0;

}

else{

price = rate;

}

}

void setQu(int qu){

if(quantity<0){

quantity=0;

}

else{

quantity = qu;

}

}

String getPno(){

return partnumber;

}

String getPds(){

return partdescription;

}

double getPrice(){

return price;

}

int getQuant(){

return quantity;

}

double getInvoice(){

return (price\*quantity);

}

}

public class Main

{

public static void main(String[] args) {

Invoice i = new Invoice("11","monitor",1500,0

);

System.out.println("the invoice is " + i.getPno() + " "+i.getPds()+" "+i.getPrice()+" "+i.getQuant());

double bill = i.getInvoice();

System.out.println("the net amount is "+ bill );

}

}

Output:

11 monitor 1500.0 0

the net amount is 0.0

[Program finished]