Exercise 1.

package Lab10;

public class Invoice {

private String PartNo;

private String Partdesc;

private int Qty\_Item;

private double Price;

public Invoice()

{

PartNo = null;

Partdesc = null;

Qty\_Item = 0;

Price = 0.0;

}

public Invoice(String pn,String pd,int qi,double pr)

{

setpn(pn);

setpd(pd);

setq(qi);

setpr(pr);

}

public void setpn(String pn)

{

PartNo = pn;

}

public void setpd(String pd)

{

Partdesc = pd;

}

public void setq(int q)

{

Qty\_Item =((q>0)?q:0);

}

public void setpr(double pr)

{

Price = ((pr>0)?pr:0);

}

public String getpn()

{

return PartNo;

}

public String getpd()

{

return Partdesc;

}

public int getq()

{

return Qty\_Item;

}

public double getpr()

{

return Price;

}

public double getInvoiceAmount()

{

double totamt = 0.0;

totamt = (double)Qty\_Item\*Price;

return totamt;

}

public void Display()

{

System.out.println("Part No. in Invoice "+PartNo);

System.out.println("Part Description in Invoice "+Partdesc);

System.out.println("Item Quantity in Invoice "+Qty\_Item);

System.out.println("Unit price of Single Item "+Price);

System.out.println("Accumulate amount of all Item "+getInvoiceAmount());

}

}

package Lab10;

public class InvoiceP {

/\*\*

\* @param args

\*/

public static void main(String[] args) {

// use for loop or while

//for (int I = 1; i<=3; i++){

Invoice In = new Invoice("Ab123","Gear box",23,56.78);

In.Display();

In.setq(70);

In.Display();

// create new object

// use set method for all attributes

// call display

//}

}

}

**Exercise 2**

package lab11;

public class Date {

private int d,m,y;

public Date()

{

d = 1;

m = 1;

y = 1;

}

public Date(int day, int month, int year)

{

d = day;

m = month;

y = year;

}

public void setday(int day)

{

d = day;

}

public void setmonth(int month)

{

m= month;

}

public void setyear(int year)

{

y = year;

}

public int getday()

{

return d;

}

public int getmonth()

{

return m;

}

public int getyear()

{

return y;

}

public void increment()

{

d++;

if(d>30)

{

d-=30;

m++;

if(m>12)

{

m-=12;

y++;

}

}

}

public void decrement()

{

if(d!=1)

d--;

else{

d = 30;

if(m!=1)

m--;

else{

m = 12;

y--;

if(y==0){

increment();

System.out.println("Error!!!");

}

}

}

}

public void display(){

System.out.println("Date:"+d+"/"+m+"/"+y);

//System.out.println("Date increment:");

}

}

package lab11;

public class DateTest {

public static void main(String[] args) {

Date d1 = new Date();

Date d2 = new Date(1,1,2001);

Date d3 = new Date(30,12,2001);

d1.increment();

d2.increment();

d3.increment();

d1.display();

d2.display();

d3.display();

d1.decrement();

d3.decrement();

//d1.decrement();

d1.display();

d3.display();

}

}