Define a class ‘product’ with data members pcode, pname and price. Create 3 objects of the class and find the product having the lowest price.

AIM: PROGRAM TO FIND THE PRODUCT HAVING THE LOWEST PRICE.

SOURCE CODE

import java.io.\*;

import java.lang.\*;

public class Product

{

int pcode,price;

String pname;

BufferedReader br=new BufferedReader(new InputStreamReader(System.in));

public void getdata()

{

try

{

System.out.println("Enter the product code, price and name of the product: ");

pcode=Integer.parseInt(br.readLine());

price=Integer.parseInt(br.readLine());

pname=br.readLine();

}

catch(IOException e)

{

System.out.println(e);

}

}

void show()

{

System.out.println("Product code: "+pcode);

System.out.println("Price: "+price);

System.out.println("Name of the product: "+pname);

}

static void compare(Product p1,Product p2,Product p3)

{

System.out.println("The product with the lowest price is:");

if(p1.price<p2.price && p1.price<p3.price)

{

System.out.println("Product code: "+p1.pcode);

System.out.println("Price: "+p1.price);

System.out.println("Name of the product: "+p1.pname);

}

else if(p2.price<p1.price && p2.price<p3.price)

{

System.out.println("Product code: "+p2.pcode);

System.out.println("Price: "+p2.price);

System.out.println("Name of the product: "+p2.pname);

}

else

{

System.out.println("Product code: "+p3.pcode);

System.out.println("Price: "+p3.price);

System.out.println("Name of the product: "+p3.pname);

}

}

public static void main(String[]args)throws IOException

{

Product p1,p2,p3;

p1=new Product();

p2=new Product();

p3=new Product();

p1.getdata();

p2.getdata();

p3.getdata();

p1.show();

p2.show();

p3.show();

compare(p1,p2,p3);

}

}

