Instructions:

**TASK 9**

**From Workshop 8**

**Exercise 3**

**Please modify the code as directed in the workbook BELOW**

**Exercise 3: Discounted goods.**

**Specification:** Pardeep’s Plumbing shop sells 2 products, copper pipes and radiators. Pardeep is offering 10% discount ifa customer’s total bill is more than £100. Assume each customer buys quantities of both products.

Produce a revised algorithm for the bill calculation

**Examples:**

1. Ali buys 6 metres of piping at £5 per metre and 3 radiators at £20 each.

His pipes cost 6 x £5 = £30

His radiators cost 3 x £20 = £60

Total bill = £90 so no discount – needs to pay £90.

1. Robert buys 20 metres of piping at £4 per metre and 4 radiators at £15 each.

His pipes cost 20 x £4 = £80

His radiators cost 4 x £15 = £60

Total bill = £140 so discount of £14 is given.

Robert needs to pay £140 - £14 = £126.

*Write out your design here*

**Algorithm**

double totalBill =110.0d;

double discount =0.0d;

System.out.println("you Original Bill Is : "+totalBill);

if(totalBill>100){

discount = (totalBill/100)\*10;

totalBill = totalBill-discount;

System.out.println("you discount Is : "+discount);

System.out.println("your Net Bill Is : "+totalBill);

}

else if(totalBill<100){

System.out.println("your Net Bill Is : "+totalBill);

}