



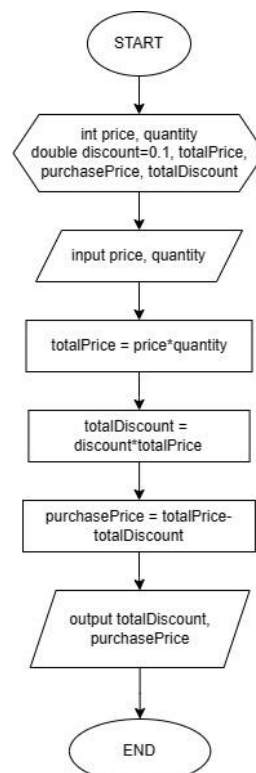
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MATERI : Pseudocode and Flowchart (Jobsheet 4)

EXPERIMENT 3

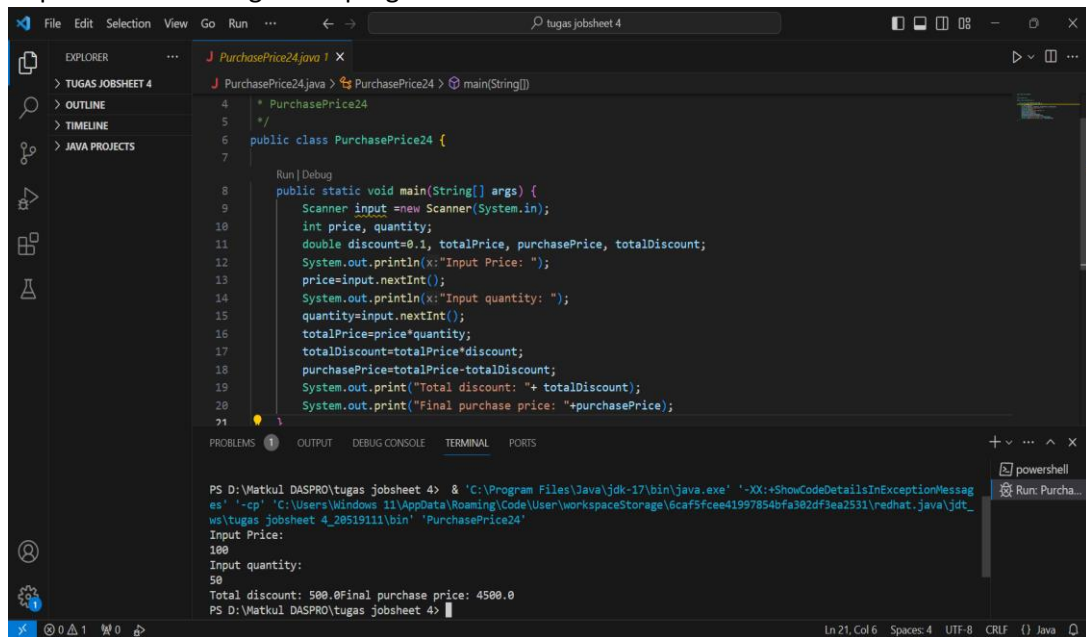
Question!

1. Modify the pseudocode and flowchart above by adding user input for bookBrand and pageCount, then change the discount to get the user input as well!

```
1 Algorithm: NotebooksPurchasePrice24  
2 {input price, quantity and calculate the discount and total price}  
3  
4 Declaration:  
5 price, quantity: int  
6 discount=0.1, totalPrice, purchasePrice, totalDiscount : double  
7  
8 Description:  
9 print "Input price!"  
10 read price  
11 print "Input quantity!"  
12 read quantity  
13 totalPrice = price * quantity  
14 totalDiscount=totalPrice*discount  
15 purchasePrice= totalPrice - totalDiscount  
16 print "The total discount is "  
17 print totalDiscount  
18 print "The Purchase Price is "  
19 print purchasePrice
```



2. Implement the changes in a program!



The screenshot shows an IDE window titled "tugas jobsheet 4". The main editor displays a Java file named "PurchasePrice24.java". The code defines a class "PurchasePrice24" with a "main" method that uses a "Scanner" to take input for price and quantity, calculates a total price with a 10% discount, and prints the results. The "TERMINAL" tab at the bottom shows the command prompt output, which matches the program's logic: it prompts for "Input Price:" (100) and "Input quantity:" (50), then prints "Total discount: 500.0" and "Final purchase price: 4500.0".

```
4  * PurchasePrice24
5  */
6  public class PurchasePrice24 {
7
8      Run | Debug
9      public static void main(String[] args) {
10         Scanner input = new Scanner(System.in);
11         int price, quantity;
12         double discount=0.1, totalPrice, purchasePrice, totalDiscount;
13         System.out.println("Input Price: ");
14         price=input.nextInt();
15         System.out.println("Input quantity: ");
16         quantity=input.nextInt();
17         totalPrice=price*quantity;
18         totalDiscount=totalPrice*discount;
19         purchasePrice=totalPrice-totalDiscount;
20         System.out.print("Total discount: "+ totalDiscount);
21         System.out.print("Final purchase price: "+purchasePrice);
22     }
```

PS D:\Matkul DASPRO\tugas jobsheet 4> & 'C:\Program Files\Java\jdk-17\bin\java.exe' '-XX:+ShowCodeDetailsInExceptionMessages' '-cp' 'C:\Users\Windows 11\AppData\Roaming\Code\User\workspaceStorage\6caf5fcee41997854bfa3802df3aa2531\redhat.java\jdt_ws\tugas_jobsheet_4_28519111\bin' 'PurchasePrice24'

Input Price:
100
Input quantity:
50
Total discount: 500.0Final purchase price: 4500.0
PS D:\Matkul DASPRO\tugas jobsheet 4>