

BACS2023 Object-Oriented Programming

Practical #8B

Question 1

Develop an application for generating invoices.

- Determine all the necessary classes. Then, draw an UML class diagram showing the relationships between the classes. For each class, you only need to include the data members.
- Implement the classes on part (A) above.

Some samples are shown below:

INVOICE					
BILL TO: Big Sdn. Bhd. 23 Jalan D9 42100 Selangor			Invoice No: INV0001		
			Date: 12-Jan-2022		
			Cust. ID: C72635		
Product No	Description	Qty	Unit Price(RM)	Line Total(RM)	
1111	Toaster	3	90.00	270.00	
2222	Electric Iron	1	120.00	120.00	
Grand Total:				RM390.00	

INVOICE					
BILL TO: Tiger Sdn. Bhd. 25 Jalan 12 53000 Kuala Lumpur			Invoice No: INV0002		
			Date: 12-Jan-2022		
			Cust. ID: C58751		
Product No	Description	Qty	Unit Price(RM)	Line Total(RM)	
2222	Electric Iron	2	120.00	240.00	
3333	Air-conditioner	1	1200.00	1200.00	
Grand Total:				RM1440.00	

INVOICE					
BILL TO: Big Sdn. Bhd. 23 Jalan D9 42100 Selangor			Invoice No: INV0003		
			Date: 12-Jan-2022		
			Cust. ID: C72635		
Product No	Description	Qty	Unit Price(RM)	Line Total(RM)	
1111	Toaster	1	90.00	90.00	
4444	Television	1	3000.00	3000.00	
Grand Total:				RM3090.00	