

# Institute of Computer Engineering Technology



## Coursework

Assignement	Programming Fundamentals	
Batch No	iCD 109	
Name	Bill Printing System – Part II	
Ass. Date	17th March 2024	

## Bill Printing System – Part II

Following the bill printing procedure outlined in the last coursework (Figure 1), You have further enhanced the previous coursework as follows.

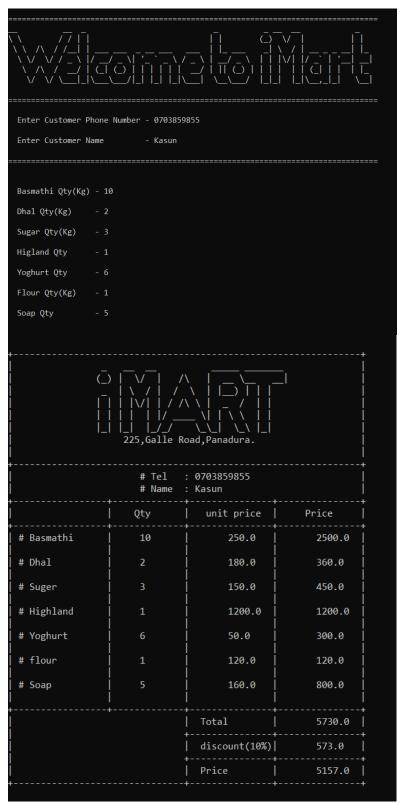


Figure 1



At the end of the bill printing process, the system will prompt the customer for the payment amount. The customer-provided amount will be captured as user input. After receiving the input, the system will calculate the change due, which is the difference between the bill amount (net amount) and the cash received from the customer. Finally, the system will display a summary containing the following details(Figure 2).

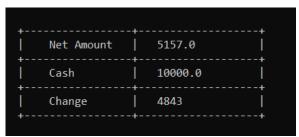


Figure 2

#### **Change Calculation**

The system should calculate the change due to the customer by minimizing the number of currency notes and coins used. This ensures the shop provides the change most efficiently. The system will then display a breakdown of the change, specifying the number of each currency note and coin denomination, as illustrated in Figure 3.

+   Value	No		
Rs.5000	0		
Rs.2000	2		
Rs.1000	0   		
Rs.500	1 1		
Rs.100	3		
Rs.50	0 -		
Rs.20	2		
Rs.10	0		
Rs.5	0		
Rs.2	1		
Rs.1	1		
No of Notes	8		
No of Coins	2		
THANK YOU FOR SHOPPING WITH US			

Figure 3



### **Procedure for submission:**

- A demo video (<u>DemoVideo</u>) is provided to help you understand the expected functionality better. This video may also clarify any doubts you encounter during development.
- Complete the Java code for this system.
- Upload your code file (.java) without renaming it to the designated submission platform before the deadline.

NOTE: JAVA codes with screen shots/.png files are not valid. ONLY (.java) files are valid.

