iCET
Connecting Intelligence

Institute of Computer Engineering Technology

iCD iCET Certified Developer
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COURSE WORK

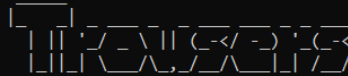| Assignement	Programming Fundamentals
Batch No	iCM 111
Name	Data Representation in Computer Memory
Ass. Date	17th August 2024

Introduction

This program is designed to generate the output for a Smart Fashion Billing System. It takes user input for date, customer name, item qty, unit price, and discount rates. The program will then display the formatted bill output with the provided information.

1. You should complete the code using the provided details as shown in the screenshots below.

2. Once you finished the coding part, run the program.

3. Use screen shots details to input the required information.

4. Once you complete above steps you can get the output as below

```
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 |_||_|\_/\_,/\/\_||_| /_/
```

Number of Trousers : 1

Unit Price of Trouser : 1200

Discount Rate (%) : 0

```
+---------------------+-----------+----------------+----------------+
| Description         |    QTY    |   Unit Price   |     Amount     |
+---------------------+-----------+----------------+----------------+
| Trouser             |     1     |     1200.0     |     1200.0     |
+---------------------+-----------+----------------+----------------+
```

```
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 \_\ '\| | '-| |_(_-<
 |__/_||_||_|  \_/_/
```
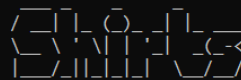
Number of Shirts : 3

Unit Price of Shirt : 1100

Discount Rate (%) : 5

```
+---------------------+-----------+----------------+----------------+
| Description         |    QTY    |   Unit Price   |     Amount     |
+---------------------+-----------+----------------+----------------+
| Shirt               |     3     |     1100.0     |     3135.0     |
+---------------------+-----------+----------------+----------------+
```

```
 /_| |_ __ _ _| |_ __
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 |__/_||_\___/_| \_/_/
```
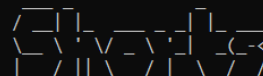
Number of Shorts : 2

Unit Price of Short : 850

Discount Rate (%) : 3

```
+---------------------+-----------+----------------+----------------+
| Description         |    QTY    |   Unit Price   |     Amount     |
+---------------------+-----------+----------------+----------------+
| Short               |     2     |     850.0      |     1649.0     |
+---------------------+-----------+----------------+----------------+
```

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```
+-------------------------------------------------------------+
|                                                             |
|         ___  _  _  _    ___                                 |
|        | _ )(_)| || |  / __| _  _  _ __   _ __   __ _  _ _  _  _|
|        | _ \| || || | _\__ \| || || '  \ | '  \ / _` || '_|| || |
|        |___/|_||_||_|(_)|___/ \_,_||_|_|_||_|_|_|\__,_||_|   \_, ||
|                                               |_/           |
|                                                             |
|   Customer : Hasindu                    Date : 2023-07-22   |
|                                                             |
+--------------------+----------+-----------------+-----------+
|                    |          |                 |           |
| Description        |   QTY    |   Unit Price    |  Amount   |
+--------------------+----------+-----------------+-----------+
|                    |          |                 |           |
| T-Shirt            |    2     |      900.0      |   1710.0  |
|                    |          |                 |           |
| Trouser            |    1     |     1200.0      |   1200.0  |
|                    |          |                 |           |
| Shirt              |    3     |     1100.0      |   3135.0  |
|                    |          |                 |           |
| Short              |    2     |      850.0      |   1649.0  |
|                    |          |                 |           |
+--------------------+----------+-----------------+-----------+
|                    |          |                 |           |
| Total              |          |                 |   7694.0  |
+--------------------+----------+-----------------+-----------+

------------------
(program exited with code: 0)

Press any key to continue . . .
```

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Notes

This program uses the Scanner class to handle user input. Ensure that you have the necessary permissions to access the console or command line for input.

Ensure that you enter valid data in the correct format as specified by the program prompts.

Review and understand the program's logic to grasp how the output is generated based on the user's input.

Use these websites for generate the ASCII art and convert to escape characters.

http://patorjk.com/software/taag/#p=testall&f=Calvin%20S&t=Railway%20Satation

https://www.javaescaper.com/