Assignment 24/08

Design a shell script named hotel.sh that simulates a restaurant ordering system. The system should present a main menu with sub-menus for each category, allow users to place multiple orders, and finally display a complete order summary and total bill upon exit.

### Menu Structure:

#### Main Menu Options:

1. Idli
2. Dosa
3. Samosa
4. Pallav
5. Coffee/Tea
6. Exit

#### Sub-Menu Options:

* Idli
  1. Normal Idli
  2. Rava Idli
* Dosa
  1. Plain Dosa
  2. Masala Dosa
* Samosa
  1. Veg Samosa
  2. Paneer Samosa
* Pallav
  1. Veg Pallav
  2. Paneer Pallav
* Coffee/Tea
  1. Tea
  2. Coffee

#!/bin/bash

total=0

order\_summary=""

while true; do

echo "=====WELCOME TO HOTEL====="

echo "======MENU======="

echo "1. Idli"

echo "2. Dosa"

echo "3. Samosa"

echo "4. Pallav"

echo "5. Coffee/Tea"

echo "6. Exit"

echo "--------------------------"

echo -n "Select Your Order: "

read main\_choice

case $main\_choice in

1) echo "----Idli Menu----"

echo "1. Normal Idli - Rs.10"

echo "2. Rava Idli - Rs.15"

echo -n "Select Idli type: "

read idli\_choice

if [ "$idli\_choice" -eq 1 ]; then

item="Normal Idli"; unit\_price=10

else

item="Rava Idli"; unit\_price=15

fi

;;

2) echo "----Dosa Menu----"

echo "1. Plain Dosa - Rs.20"

echo "2. Masala Dosa - Rs.30"

echo -n "Select Dosa type: "

read dosa\_choice

if [ "$dosa\_choice" -eq 1 ]; then

item="Plain Dosa"; unit\_price=20

else

item="Masala Dosa"; unit\_price=30

fi

;;

3) echo "----Samosa Menu----"

echo "1. Veg Samosa - Rs.12"

echo "2. Paneer Samosa - Rs.18"

echo -n "Select Samosa type: "

read samosa\_choice

if [ "$samosa\_choice" -eq 1 ]; then

item="Veg Samosa"; unit\_price=12

else

item="Paneer Samosa"; unit\_price=18

fi

;;

4) echo "----Pallav Menu----"

echo "1. Veg Pallav - Rs.25"

echo "2. Paneer Pallav - Rs.30"

echo -n "Select Pallav type: "

read pallav\_choice

if [ "$pallav\_choice" -eq 1 ]; then

item="Veg Pallav"; unit\_price=25

else

item="Paneer Pallav"; unit\_price=30

fi

;;

5) echo "-----Coffee/Tea Menu-----"

echo "1. Coffee - Rs.10"

echo "2. Tea - Rs.15"

echo -n "Select Beverage: "

read drink\_choice

if [ "$drink\_choice" -eq 1 ]; then

item="Coffee"; unit\_price=10

else

item="Tea"; unit\_price=15

fi

;;

6) echo ""

echo "------- Final Order Summary --------"

echo -e "$order\_summary"

echo "Total Amount: Rs.$total"

echo "Thank you! Visit Again!"

break

;;

\*) echo "Invalid Choice. Please try again."

continue

;;

esac

echo -n "How many of $item? "

read quantity

item\_price=$((unit\_price \* quantity))

total=$((total + item\_price))

# Pluralization logic

if [[ "$item" == "Coffee" || "$item" == "Tea" ]]; then

unit\_label="cup"

else

unit\_label="plate"

fi

# Add 's' for plural

if [ "$quantity" -gt 1 ]; then

unit\_label="${unit\_label}s"

fi

order\_summary+="$item x $quantity $unit\_label - Rs.$item\_price\n"

echo "Added: $item x $quantity $unit\_label - Rs.$item\_price"

echo ""

done









