Pseudocode for main Method

1. Start

2. Call method choice()

3. End

Pseudocode for main.choice Method

1. Start

2. Declare classes for groupassignment1, groupassignment2, groupassignment3, groupassignment4 and groupassignment5

3. Declare variables for choice

4. Display “Main Menu”

4.1 Call line()

4.2 Display “1. Next-Day Delivery”

Display “2. Same-Day Delivery”

Display “3. Prepaid Box and Envelope”

Display “4. Pos Express”

Display “5. Receipt”

Display “6. Exit”

5. Input choice

6. IF choice is more than six THEN

6.1 Display “Invalid Input”

6.2 Input choice

7. IF choice is less than or equal to six THEN

7.1 break

END IF

8. IF choice is equal to one THEN

8.1 Call groupassignment1.choice()

IF choice is equal to two THEN

8.2 Call groupassignment2.choice()

IF choice is equal to three THEN

8.3 Call groupassignment3.choice()

IF choice is equal to four THEN

8.4 Call groupassignment4.choice()

IF choice is equal to five THEN

8.4 Call groupassignment5.receipt()

IF choice is equal to six THEN

8.4 Display “Thank You”

END IF

9. End

Pseudocode for groupassignment1.choice Method

1. Start

2. Declare class for mainmenu

3. Declare variable for choice

4. Display “Menu”

4.1 Display “1. Input your data”

4.2 Display “2. Return to Main Menu”

5. Input choice

6. IF choice is more than two THEN

6.1 Display “Invalid Input”

6.2 Input choice

7. IF choice is less than or equal to two THEN

7.1 break

END IF

8. IF choice is equal to one THEN

8.1 Call Table()

Call Loop()

8.2 IF choice is more than two THEN

8.2.1 Display “Invalid Input”

8.2.2 Input choice

8.3 IF choice is less than or equal to two THEN

8.3.1 break

END IF

9. IF choice is equal to two THEN

9.1 Call main.choice

11 END

Pseudocode for groupassignment1.Loop method

1. Start

2. Declare variable for zone, customer, packagetype, weight, charge1 and totalcharge1[3].

3. Initialize customer equal to zero

4. WHILE customer less than totalcharge1[3].

5. Display customer

6. Input first packagetype

7. Convert packagetype to uppercase

8. WHILE packagetype not equal to “X”

8.1 Input weight

8.2 Input zone

8.2.1 WHILE zone more than five THEN

Display “Invalid Input”

Input zone

8.2.2 WHILE zone less than or equal to five THEN

break

9. Call calCharge method

10. Display packagetype and charge1

11. totalcharge1[customer]=totalcharge1[customer]+charge1

12. Input next packagetype

13. Convert packagetype to uppercase

14. Display totalcharge1[customer]

15. customer=customer+1

16. End

Pseudocode for groupassignment1.calCharge method

1. Start

2. Declare variable for charge1.

3. IF zone is equal to one THEN

3.1 IF weight is less than two or equal to two thousand THEN

3.1.1 IF weight is less than or equal to two thousand THEN

charge1=4.90+(weight-500)/250\*0.80

3.1.2 IF weight is less than or equal to five hundred THEN

charge1=4.90

3.2 IF weight is more than two thousand THEN

3.2.1 IF weight is less than or equal to two thousand five hundred

charge1=10.50

3.2.2 IF weight is more than two thousand five hundred

charge1=10.50+(weight-2500)/500\*0.50

4. IF zone is equal to two THEN

4.1 IF weight is less than or equal to two thousand THEN

4.1.1 IF weight is less than or equal to two thousand THEN

charge1=5.40+(weight-500)/250\*1.00

4.1.2 IF weight is less than or equal to five hundred THEN

charge1=5.40

4.2 IF weight is more than two thousand THEN

4.2.1 IF weight is less than or equal to two thousand five hundred

charge1=16.00

4.2.2 IF weight is more than two thousand five hundred

charge1=16.00+(weight-2500)/500\*2.00

5. IF zone is equal to three THEN

5.1 IF weight is less than or equal to two thousand THEN

5.1.1 IF weight is less than or equal to two thousand THEN

charge1=6.90+(weight-500)/250\*1.50

5.1.2 IF weight is less than or equal to five hundred THEN

charge1=6.90

5.2 IF weight is more than two thousand THEN

5.2.1 IF weight is less than or equal to two thousand five hundred THEN

charge1=21.00

5.2.2 IF weight is more than two thousand five hundred THEN

charge1=21.00+(weight-2500)/500\*3.00

6. IF zone is equal to four THEN

6.1 IF weight is less than or equal to two thousand THEN

6.1.1 IF weight is less than or equal to two thousand THEN

charge1=7.40+(weight-500)/250\*1.50

6.1.2 IF weight is less than or equal to five hundred THEN

charge1=7.40

6.2 IF weight is more than two thousand THEN

6.2.1 IF weight is less than or equal to two thousand five hundred THEN

charge1=26.00

6.2.2 IF weight is more than two thousand five hundred THEN

charge1=26.00+(weight-2500)/500\*3.50

7. IF zone is equal to five THEN

7.1 IF weight is less than or equal to two thousand THEN

7.1.1 IF weight is less than or equal to two thousand THEN

charge1=7.90+(weight-500)/250\*2.00

7.1.2 IF weight is less than or equal to five hundred THEN

charge1=7.90

7.2 IF weight is more than two thousand THEN

7.2.1 IF weight is less than or equal to two thousand five hundred

charge1=31.00

7.2.2 IF weight is more than two thousand five hundred

charge1=31.00+(weight-2500)/500\*4.00

END IF

8. Return charge1

9. End

Pseudocode for groupassignment2.choice Method

1. Start

2. Declare class for mainmenu

3. Declare variable for choice

4. Display “Menu”

4.1 Display “1. Input your data”

4.2 Display “2. Return to Main Menu”

5. Input choice

6. IF choice is more than two THEN

6.1 Display “Invalid Input”

6.2 Input choice

7. IF choice is less than or equal to two THEN

7.1 break

END IF

8. IF choice is equal to one THEN

8.1 Call Table()

Call Loop()

8.2 IF choice is more than two THEN

8.2.1 Display “Invalid Input”

8.2.2 Input choice

8.3 IF choice is less than or equal to two THEN

8.3.1 break

END IF

9. IF choice is equal to two THEN

9.1 Call main.choice

11 END

Pseudocode for groupassignment2.Loop method

1. Start

2. Declare variable for towntype, customer, weight, payment and totalcharge2[3].

3. Initialize customer equal to zero

4. WHILE customer less than totalcharge2[3].

5. Display customer

6. Input first towntype

7. Convert towntype to uppercase

8. WHILE towntype not equal to “X”

8.1 Input weight

8.2.1 WHILE weight more than one thousand THE

Display “Invalid Input”

Input weight

8.2.2 WHILE weight less than or equal to one thousand THEN

break

9. Call calPayment

10. Display payment

11. totalcharge2[customer]=totalcharge2[customer]+payment

12. Input next towntype

13. Convert towntype to uppercase

14 Display totalcharge2[customer]

15. customer=customer+1

16. End

Pseudocode for groupassignment2.calPayment method

1. Start

2. Declare variable for payment, surcharge and domestic\_charge.

3. IF towntype is equal to “LOCAL” THEN

3.1 IF weight is less than or equal to five hundred THEN

domestic\_charge=4.90

surcharge=6.00

3.2 IF weight is more than five hundred and weight is less than or equal to seven hundred fifty THEN

domestic\_charge=5.70

surcharge=6.00

3.3 IF weight is more than seven hundred fifty and weight is less than or equal to one thousand THEN

domestic\_charge=6.50

surcharge=6.00

4. IF towntype is equal to “CROSS” THEN

4.1 IF weight is less than or equal to five hundred THEN

domestic\_charge=5.40

surcharge=7.50

4.2 IF weight is more than five hundred and weight is less than or equal to seven hundred fifty THEN

domestic\_charge=6.40

surcharge=7.50

4.3 IF weight is more than seven hundred fifty and weight is less than or equal to one thousand THEN

domestic\_charge=7.40

surcharge=7.50

END IF

5. payment= domestic\_charge+ surcharge

6. Return payment

7. End

Pseudocode for groupassignment3.choice method

1. Start

2. Declare class for mainmenu

3. Declare variable for choice

4. Display “Menu”

4.1 Display “1. Input your data”

4.2 Display “2. Return to Main Menu”

5. Input choice

6. IF choice is more than two THEN

6.1 Display “Invalid Input”

6.2 Input choice

7. IF choice is less than or equal to two THEN

7.1 break

END IF

8. IF choice is equal to one THEN

8.1 Call Table()

Call Loop()

8.2 IF choice is more than two THEN

8.2.1 Display “Invalid Input”

8.2.2 Input choice

8.3 IF choice is less than or equal to two THEN

8.3.1 break

END IF

9. IF choice is equal to two THEN

9.1 Call main.choice

11 END

Pseudocode for groupassignment3.Loop method

1. Start

2. Declare variable for ItemType, customer, weight, quantity, totalprice and totalcharge3[3].

3. Initialize customer equal to zero

4. WHILE customer less than totalcharge3[3].

5. Display customer

6. Input first ItemType

7. Convert ItemType to uppercase

8. WHILE ItemType not equal to “X”

8.1 Input quantity

8.2 Input weight

8.2.1 WHILE weight more than ten thousand THEN

Display “Invalid Input”

Input weight

8.2.2 WHILE weight less than or equal to ten thousand THEN

Break

9. Call calTotalPrice

10. Display totalprice

11. totalcharge3[customer]=totalcharge3[customer]+totalprice

12. Input next ItemType

13. Convert ItemType to uppercase

14. Display totalcharge3[customer]

15. customer=customer+1

16. End

Pseudocode for groupassignment3.calTotalPrice method

1. Start

2. Declare variables for price and totalprice

3. IF weight less than or equal to five hundred THEN

3.1 price = 7.31

4. IF weight more than five hundred and less than or equal to one thousand THEN

4.1 price = 10.49

5. IF weight more than one thousand and less than or equal to two thousand THEN

5.1 price = 13.78

6. IF weight more than two thousand and less than or equal to five thousand THEN

6.1 price = 21.20

7. IF weight more than five thousand and less than or equal to ten thousand THEN

7.1 price = 31.80

END IF

8. totalprice=price\*quantity

9. Return totalprice

10. End

Pseudocode for groupassignment4.choice method

1. Start

2. Declare class for mainmenu

3. Declare variable for choice

4. Display “Menu”

4.1 Display “1. Input your data”

4.2 Display “2. Return to Main Menu”

5. Input choice

6. IF choice is more than two THEN

6.1 Display “Invalid Input”

6.2 Input choice

7. IF choice is less than or equal to two THEN

7.1 break

END IF

8. IF choice is equal to one THEN

8.1 Call Table()

Call Loop()

8.2 IF choice is more than two THEN

8.2.1 Display “Invalid Input”

8.2.2 Input choice

8.3 IF choice is less than or equal to two THEN

8.3.1 break

END IF

9. IF choice is equal to two THEN

9.1 Call main.choice

11 END

Pseudocode for groupassignment4.Loop method

1. Start

2. Declare variables for quantity, customer, ItemType, weight, totalprice and totalcharge4[3]

3. Initialize customer equal to zero

4. WHILE customer less than totalcharge4[3].

5. Display customer

6. Input first ItemType

7. Convert ItemType to uppercase

8. WHILE ItemType not equal to “X”

8.1 Input quantity

8.2 Input weight

8.2.1 WHILE weight more than one thousand THEN

Display “Invalid Input”

Input weight

8.2.2 WHILE weight less than or equal to one thousand THEN

Break

9. Call calTotalPrice

10. Display totalprice

11. totalcharge4[customer]=totalcharge4[customer]+totalprice

12. Input next ItemType

13. Convert ItemType to uppercase

14. Display totalcharge4[customer]

15. customer=customer+1

16. End

Pseudocode for groupassignment4.calTotalPrice method

1. Start

2. Declare variables for price and totalprice

3. IF weight less than or equal to one hundred THEN

3.1 price = 3.18

4. IF weight more than one hundred and less than or equal to two hundred fifty THEN

4.1 price = 3.71

5. IF weight more than two hundred fifty and less than or equal to five hundred THEN

5.1 price = 4.77

6. IF weight more than five hundred and less than or equal to one thousand THEN

6.1 price = 7.42

END IF

7. totalprice=price\*quantity

8. Return totalprice

9. End

Pseudocode for groupassignment5.receipt method

1. Start

2. Declare variable for totalcharge1[3], totalcharge2[3], totalcharge3[3] and totalcharge4[3], customer, choice and grandtotal

3. Display “Menu”

3.1 Display “1. Display Receipt”

3.2 Display “2. Return to Main Menu”

4. Input choice

5. IF choice is more than two THEN

5.1 Display “Invalid Input”

5.2 Input choice

6. IF choice is less than or equal to two THEN

6.1 break

END IF

7. IF choice is equal to one THEN

7.1 customer equal to zero

7.2 WHILE customer less than totalcharge1[3]

7.2.1 Display customer

7.2.2 grandtotal= totalcharge1[3] + totalcharge2[3] + totalcharge3[3] + totalcharge4[3]

7.2.3 Display “Total Charge”

7.2.4 Display totalcharge1[customer]

7.2.5 Display totalcharge2[customer]

7.2.6 Display totalcharge3[customer]

7.2.7 Display totalcharge4[customer]

7.2.8 Display grandtotal

7.3 Input choice

7.4 IF choice is more than two THEN

7.4.1 Display “Invalid Input”

7.4.2 Input choice

7.5 IF choice is less than or equal to two THEN

7.5.1 break

END IF

8. IF choice is equal to two

8.1 Call main.choice

9. End