**Pseudocode For Problem**

**PROGRAM** StoreManagement

**BEGIN** Main

**PRINT** “Main Menu”

**PRINT** “Press 1 for Issued Trolley to the customer”

**PRINT** “Press 2 for Returned Trolley from the customer”

**PRINT** “Press 3 to view currently on loaned Trolley”

**PRINT** “Press 4 to view currently not on loaned Trolley”

**PRINT** “Press 4 to view most and least pupolar Trolley”

**PRINT** “Press 5 to view Lost Trolley today”

**PRINT** “Press 6 for Exit Program”

**READ** optionChoosen

**CASE** optionChoosen **OF**

1 : **CALL** RcordToIssuedTrolley

2 : **CALL** RcordToReturnedTrolley

3 : **CALL** ViewOnLoaned

4 : **CALL** ViewNotOnLoaned

5 : **CALL** ViewMostAndLeastPupolarBasket

6 : **CALL** ViewLostBasket

7 : **CALL** ExitProgram

**OTHER** : **PRINT** "Invalid Input!"

**ENDCASE**

**END**

**// Functions start from here**

**BEGIN** RcordToIssuedTrolley

**PRINT** “Please select which type of you want to issued”

**PRINT** “Press 1 to issued full size Trolley”

**PRINT** “Press 2 to issued half size Trolley”

**PRINT** “Press 3 to issued pull along Trolley”

**PRINT** “Press 4 to returned Main Menu”

**READ** chooseType

**CASE** chooseType **OF**

1. :

PRINT “LIST OF CURRENTLY NOT ON LOANED BASKET FROM 1001 TO 1030”

**PRINT** “Please issued above listing Trolley”

**READ** trolley\_number **OF**

**SET** recordFullSizeBasket = **ADD** trolley\_number **TO** recordFullSizeBasket

**SET** payLoan = **ADD** 5 **TO** payLoan

**SET** fullSizeBasket = **SUBTRACT** 1 **FROM** fullSizeBasket

**CALL** Main

1. :

PRINT “LIST OF CURRENTLY NOT ON LOANED BASKET FROM 2001 TO 2020”

**PRINT** “Please issued above listing Trolley”

**READ** trolley\_number **OF**

**SET** recordHalfSizeBasket = **ADD** trolley\_number **TO** recordHalfSizeBasket // add item in the recordHalfSizeBasket array

**SET** payLoan = **ADD** 5 **TO** payLoan

**SET** halfSizeBasket = **SUBTRACT** 1 **FROM** halfSizeBasket

**CALL** Main

1. :

PRINT “LIST OF CURRENTLY NOT ON LOANED BASKET FROM 3001 TO 3025”

**PRINT** “Please issued above listing Trolley”

**READ** trolley\_number **OF**

**SET** recordPullAlongBasket = **ADD** trolley\_number **TO** recordPullAlongBasket // add item in the recordPullAlongBasket array

**SET** payLoan = **ADD** 5 **TO** payLoan

**SET** pullAlongBasket = **SUBTRACT** 1 **FROM** pullAlongBasket

**CALL** Main

4 : **CALL** Main

**OTHER** : **PRINT** "Invalid Input!"

**ENDCASE**

**END**

**BEGIN** RcordToReturnedTrolley

**PRINT** “Please select which type of you want to returned”

**PRINT** “Press 1 to returned full size Trolley”

**PRINT** “Press 2 to returned half size Trolley”

**PRINT** “Press 3 to returned pull along Trolley”

**PRINT** “Press 4 to returned Main Menu”

**READ** chooseType

**CASE** chooseType **OF**

1. :

PRINT “LIST OF CURRENTLY ON LOANED BASKET FROM 1001 TO 1030”

**PRINT** “Please returned above listing Trolley”

**READ** trolley\_number **OF**

**SET** recordFullSizeBasket = **SUBTRACT** trolley\_number **FROM** recordFullSizeBasket

**SET** payLoan = **ADD** 5 **TO** payLoan

**SET** fullSizeBasket = **ADD** 1 **TO** fullSizeBasket

1. :

PRINT “LIST OF CURRENTLY ON LOANED BASKET FROM 2001 TO 2020”

**PRINT** “Please returned above listing Trolley”

**READ** trolley\_number **OF**

**SET** recordHalfSizeBasket = **SUBTRACT** trolley\_number **FROM** recordHalfSizeBasket // remove item in the recordHalfSizeBasket array

**SET** payLoan = **SUBTRACT** 5 **FROM**  payLoan

**SET** halfSizeBasket = **ADD** 1 **TO** halfSizeBasket

1. :

PRINT “LIST OF CURRENTLY ON LOANED BASKET FROM 3001 TO 3025”

**PRINT** “Please returned above listing Trolley”

**READ** trolley\_number **OF**

**SET** recordPullAlongBasket = **SUBTRACT** trolley\_number **FROM** recordPullAlongBasket // Remove item in the recordPullAlongBasket array

**SET** payLoan = **SUBTRACT** 5 **FROM** payLoan

**SET** pullAlongBasket = **ADD** 1 **TO** pullAlongBasket

4 : **CALL** Main

**OTHER** : **PRINT** "Invalid Input!"

**ENDCASE**

**PRINT** “Rate this Trolley (\*\*\*\*\*\*)”

**READ** rateStar

**IF** rateStar >= 3 **THEN**

**SET** MostPopularTrolley = **ADD** allocate\_numbe **TO** MostPopularTrolley

**Else IF** rateStar < 3 **THEN**

**SET** LeastPopularTrolley = **ADD** allocate\_numbe **TO** LeastPopularTrolley

**ENDIF**

**CALL** Main

**END**

**BEGIN** ViewOnLoaned

PRINT”Currently full size Trolley on loaned”

**FOR** counter = recordFullSizeBasket.length **TO** 1 **STEP** -1 **DO**

**SET** total = **ADD** 1 **TO** total

**SET** totalfullsize = **ADD** 1 **TO** totalfullsize

**NEXT** counter

**ENDFOR**

**PRINT** totalfullsize

PRINT”Currently half size Trolley on loaned”

**FOR** counter = recordHalflSizeBasket.length **TO** 1 **STEP** -1 **DO**

**SET** total = **ADD** 1 **TO** total

**SET** totalhalfsize = **ADD** 1 **TO** totalhalfsize

**NEXT** counter

**ENDFOR**

**PRINT** totalhalfsize

PRINT”Currently PullAlong Trolley on loaned”

**FOR** counter = recordPullAlongBasket.length **TO** 1 **STEP** -1 **DO**

**SET** total = **ADD** 1 **TO** total

**SET** totalpullalong = **ADD** 1 **TO** totalpullalong

**NEXT** counter

**ENDFOR**

**PRINT** totalpullalong

**PRINT** “Currently Overall On Loan”

**PRINT** total

**END**

**BEGIN** ViewNotOnLoaned

**PRINT**”Currently full size Trolley not on loaned”

**PRINT** fullSizeBasket

PRINT”Currently half size Trolley not on loaned”

**PRINT** halfSizeBasket

PRINT”Currently PullAlong Trolley on loaned”

**PRINT** pullalongBasket

**SET** total = **ADD** (fullSizeBasket + halfSizeBasket + pullalongBasket) **TO** total

**PRINT** “Currently Overall Not On Loan”

**PRINT** total

**END**

**BEGIN** ViewMostAndLeastPupolarBasket

**PRINT** “Most Popular Trolleys”

**FOR** counter = MostPopularTrolley.length **TO** 1 **STEP** -1 **DO**

**PRINT** counter

**NEXT** counter

**ENDFOR**

**PRINT** “Least Popular Trolleys”

**FOR** counter = LeastPopularTrolley.length **TO** 1 **STEP** -1 **DO**

**PRINT** counter

**NEXT** counter

**ENDFOR**

**END**

**BEGIN** ShowTrolleyLost

**IF** fullSizeBasket != 30 **AND** recordFullSizeBasket != NULL **THEN**

**PRINT** “Full Size Trolley Lost Today”

**SET** TrolleyLost = **SUBTRACT** 30 **FROM** fullSizeBasket

**PRINT** TrolleyLost

**IF** halfSizeBasket != 20 **AND** recordHalfSizeBasket != NULL **THEN**

**PRINT** “Half Size Trolley Lost Today are:”

**SET** TrolleyLost = **SUBTRACT** 20 **FROM** halfSizeBasket

**PRINT** TrolleyLost

**IF** pullAlongBasket != 25 **AND** recordHalfSizeBasket != NULL **THEN**

**PRINT** “Pull Along Trolley Lost Today are:”

**SET** TrolleyLost = **SUBTRACT** 25 **FROM** pullAlong

**PRINT** TrolleyLost

**END**

**BEGIN** ExitProgram

Exit()

**END**