

PSEUDOCODE – Task 3

```
DECLARE totalPassengers : INTEGER
DECLARE totalMoney : INTEGER
DECLARE mostPassengers : INTEGER
DECLARE leaveMost : BOOLEAN
DECLARE returnMost : BOOLEAN
DECLARE index : INTEGER
```

```
OUTPUT "Number of passengers on the 0900 Departure train: " & STR(leavePassengers[1])
```

```
OUTPUT "Total money taken for the 0900 Departure train: " & STR(leaveTotal[1])
```

```
OUTPUT ""
```

```
OUTPUT "Number of passengers on the 1100 Departure train: " & STR(leavePassengers[2])
```

```
OUTPUT "Total money taken for the 0900 Departure train: " & STR(leaveTotal[2])
```

```
OUTPUT ""
```

```
OUTPUT "Number of passengers on the 1100 Departure train: " & STR(leavePassengers[3])
```

```
OUTPUT "Total money taken for the 0900 Departure train: " & STR(leaveTotal[3])
```

```
OUTPUT ""
```

```
OUTPUT "Number of passengers on the 1100 Departure train: " & STR(leavePassengers[4])
```

```
OUTPUT "Total money taken for the 0900 Departure train: " & STR(leaveTotal[4])
```

```
OUTPUT ""
```

```
OUTPUT "Number of passengers on the 1000 Return train: " & STR(returnPassengers[1])
```

```
OUTPUT "Total money taken for the 1000 Return train: " & STR(returnTotal[1])
```

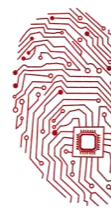
```
OUTPUT ""
```

```
OUTPUT "Number of passengers on the 1200 Return train: " & STR(returnPassengers[2])
```

```
OUTPUT "Total money taken for the 1200 Return train: " & STR(returnTotal[2])
```

```
OUTPUT ""
```





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```
OUTPUT "Number of passengers on the 1400 Return train: " & STR(returnPassengers[3])

OUTPUT "Total money taken for the 1400 Return train: " & STR(returnTotal[3])

OUTPUT ""

OUTPUT "Number of passengers on the 1600 Return train: " & STR(returnPassengers[4])

OUTPUT "Total money taken for the 1600 Return train: " & STR(returnTotal[4])

OUTPUT ""

totalPassengers = 0

totalMoney = 0

FOR i = 1 TO 4

    totalPassengers = totalPassengers + leavePassengers[i]

    totalPassengers = totalPassengers + returnPassengers[i]

    totalMoney = totalMoney + leaveTotal[i]

    totalMoney = totalMoney + returnTotal[i]

NEXT

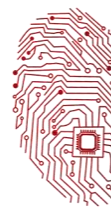
mostPassengers = -1000

leaveMost = FALSE

returnMost = FALSE

index = 0
```





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```
FOR i = 1 TO 4

    IF leavePassengers[i] > mostPassengers

        THEN

            mostPassengers = leavePassengers[i]

            index = i

            leaveMost = TRUE

            returnMost = FALSE

        END IF

    IF returnPassengers[i] > mostPassengers

        THEN

            mostPassengers = returnPassengers[i]

            index = i

            leaveMost = TRUE

            returnMost = FALSE

        END IF

NEXT

IF index = 1 AND leaveMost

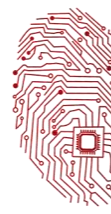
    THEN

        OUTPUT "The 0900 Departure train had the most passengers."

ELSE IF    index = 1 AND returnMost

    THEN
```





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```
        OUTPUT "The 1000 Return train had the most passengers."

ELSE IF index = 2 AND leaveMost

    THEN

        OUTPUT "The 1100 Departure train had the most passengers."

ELSE IF index = 2 AND returnMost

    THEN

        OUTPUT "The 1200 Return train had the most passengers."

ELSE IF index = 3 AND leaveMost

    THEN

        OUTPUT "The 1300 Departure train had the most passengers."

ELSE IF index = 3 AND returnMost

    THEN

        OUTPUT "1400 Return train had the most passengers."

ELSE IF index = 4 AND leaveMost

    THEN

        OUTPUT "1500 Departure train had the most passengers."

ELSE IF index = 4 and returnMost

    THEN

        OUTPUT "The 1600 Return train had the most passengers."

END IF

OUTPUT "Total money taken for the day: " & STR(totalMoney)

OUTPUT "Total passengers travelling for the day: " & STR(totalPassengers)
```

