

## PRE-RELEASE MATERIAL 2210/22 MJ-2021

## Pre Release solution Complete VB-Code

```
'TASK 1
Sub Main()
    Const OneWayTicket = 25
    Dim TrainTime() As String = {"9:00", "11:00", "13:00", "15:00", "10:00", "12:00",
"14:00", "16:00"}
    Dim totaleats() = {480, 480, 480, 480, 480, 480, 480, 640}
    Dim occupiedseat() = {0, 0, 0, 0, 0, 0, 0, 0}
    Dim trainmoney() = {0, 0, 0, 0, 0, 0, 0, 0}
    Dim MaxPassangerTrain() = {0, 0, 0, 0, 0, 0, 0, 0}

    Dim choice As Boolean
    Dim numofpassanger, Trip, cost, discountedCost As Integer
    Dim TwoWayTickets As Integer
    Dim totalpassangers, totalamount As Integer 'For TASK3

    Console.WriteLine("Welcome to TRAIN JOURNEY Display Screen")
    For count = 0 To 7
        Console.WriteLine("Train Num: " & count & " Train Time:" & TrainTime(count) & "
Total seats: " & totaleats(count) & " Occupied Seats: " & occupiedseat(count))
        Console.WriteLine("Train Money = " & trainmoney(count))
    Next

'Task 2
Console.WriteLine("Do you want to Buy Tickets? True for yes and False for no")
choice = Console.ReadLine()

While choice <> False
    Console.WriteLine("Enter number of passangers for trip")
    numofpassanger = Console.ReadLine()
    totalpassangers = totalpassangers + numofpassanger

    Console.WriteLine("Enter Train number: [0,1,2,3,4,5,6,7] ")
    Trip = Console.ReadLine()
    occupiedseat(Trip) = occupiedseat(Trip) + numofpassanger
    totaleats(Trip) = totaleats(Trip) - numofpassanger
    cost = numofpassanger * OneWayTicket

    discountedCost = cost - (OneWayTicket * (numofpassanger \ 10)) 'Integer
Division for discount of every 10th Passanger
    TwoWayTickets = discountedCost * 2 'You have to buy ticket for UpTrip and
DownTRin
    trainmoney(Trip) = trainmoney(Trip) + discountedCost

    totalamount = totalamount + trainmoney(Trip) 'For Task3
    Console.Clear()

    For count = 0 To 7
        Console.WriteLine("Train Num:" & count & " Train Time:" &
TrainTime(count) & " Total seats:" & totaleats(count) & " Occupied Seats: " &
occupiedseat(count))
        Console.WriteLine("Train Money = " & trainmoney(count))
    Next
End Sub
```

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        If totalseats(count) = 0 Then
            Console.WriteLine(TrainTime(count) & " : Train is FULL : Booking
CLOSED")
        Else
            Console.WriteLine(TrainTime(count) & " : Seats available : Booking
OPEN")
        End If
        Console.WriteLine("-----")

    Next
    Console.WriteLine("Do you want to buy more Tickets? True for yes and False
for no")
    choice = Console.ReadLine()

End While

'Task 3
Dim Maxtrain As String

Console.Clear()
Console.WriteLine(" ----- END OF THE DAY -----")
For count = 0 To 7
    If occupiedseat(count) > MaxPassangerTrain(count) Then
        MaxPassangerTrain(count) = MaxPassangerTrain(count) + occupiedseat(count)
        Maxtrain = TrainTime(count)
    End If

    Console.WriteLine("-----")
    Console.WriteLine("Train Num: " & count & " Train Time:" & TrainTime(count)
& " Total seats:" & totalseats(count) & " Ocuplied Seats: " & occupiedseat(count))
    Console.WriteLine("Train Money = " & trainmoney(count))
    Console.WriteLine("-----")

Next
Console.WriteLine("Total Money Earned TODAY: " & totalamount)
Console.WriteLine("Total Passangers travelled TODAY: " & totalpassangers)
Console.WriteLine("Maxtrain Passanger train = " & Maxtrain)

Console.ReadKey()
End Sub

```