

Task 1: Visual Basic.net 2010

Sub Task1()

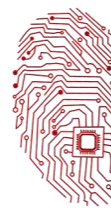
```
Do
    Console.WriteLine("Enter Day: ") : day = Console.ReadLine
    If day = "" Then Console.WriteLine("You can't leave the day blank.")
Loop Until Trim(UCase(day)) = "MONDAY" Or Trim(UCase(day)) = "TUESDAY" Or _
Trim(UCase(day)) = "WEDNESDAY" Or Trim(UCase(day)) = "THURSDAY" Or _
Trim(UCase(day)) = "FRIDAY" Or Trim(UCase(day)) = "SATURDAY" Or _
Trim(UCase(day)) = "SUNDAY"

Do
    Console.WriteLine("Enter hour of arrival (8-23): ") : arrivalHour = Console.ReadLine
    If arrivalHour < 8 Or arrivalHour > 23 Then Console.WriteLine("Allowed hours for
                                                                    parking are from 8 till midnight!")
Loop Until arrivalHour >= 8 And arrivalHour < midnight

hoursAllowed = False
Do
    Console.WriteLine("Enter max stay in hours: ") : stayHours = Console.ReadLine
    departureHour = arrivalHour + stayHours
    If departureHour <= midnight Then
        If arrivalHour < 16 Then
            If day = "Sunday" And stayHours <= 8 Then
                hoursAllowed = True
            ElseIf day = "Saturday" And stayHours <= 4 Then
                hoursAllowed = True
            ElseIf stayHours <= 2 Then
                hoursAllowed = True
            Else
                Console.WriteLine("Today " & stayHours & " hours stay is not allowed!")
            End If
        Else
            hoursAllowed = True
        End If
    Else
        Console.WriteLine("You cannot stay beyond midnight!")
    End If
Loop Until hoursAllowed = True

discount = False
discountAllowed = "0%"
Console.WriteLine("Do you have frequent parking card? ") : answer = Console.ReadLine
If UCase(answer) = "YES" Then
    Console.WriteLine("Enter frequent parking card number: ")
    cardNumber = Console.ReadLine
    d1 = Mid(cardNumber, 1, 1)
    d2 = Mid(cardNumber, 2, 1)
    d3 = Mid(cardNumber, 3, 1)
    d4 = Mid(cardNumber, 4, 1)
    cd = Mid(cardNumber, 5, 1)
    x = ((d1 * 5) + (d2 * 4) + (d3 * 3) + (d4 * 2) + (cd * 1)) Mod 11
    If x = 0 Then discount = True
End If
```





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```
If arrivalHour >= 16 Then
    amount = eveningPrice
Else
    If day = "Sunday" Then
        price = 2
    ElseIf day = "Saturday" Then
        price = 3
    Else
        price = 10
    End If
    amount = stayHours * price
End If

If discount = True Then
    If arrivalHour >= 16 Then
        discountAllowed = "50%"
        amount = amount * 0.5
    Else
        discountAllowed = "10%"
        amount = amount * 0.9
    End If
End If

Console.WriteLine()
Console.WriteLine("Data entered and price to park calculated")
Console.WriteLine("-----")
Console.WriteLine("Day: " & day)
Console.WriteLine("Time of arrival: " & arrivalHour)
Console.WriteLine("Hours stayed: " & stayHours)
If arrivalHour >= 16 Then
    Console.WriteLine("Car parking price for full evening: " & price)
Else
    Console.WriteLine("Car parking price per hour: " & price)
End If
Console.WriteLine("Discount given: " & discount)
If discount = True Then Console.WriteLine("Discount : " & discountAllowed)
Console.WriteLine("Price to park: " & amount)
Console.ReadKey()
End Sub
```

