

## Problem 6: Amusement Park Ride eligibility

### IPO

Input	Process	Output
<ul style="list-style-type: none"><li>• Ride</li><li>• Age</li><li>• Height</li></ul>	For The <b>Dragon Roller Coaster</b> <i>eligible only if:</i> he is older than 10 and has a height of at least 48 inches. For The <b>Carousel</b> <i>eligible only if:</i> he is older than 5. For The <b>Sky Swing</b> <i>Illegible only if:</i> he has a height of at least 54 inches. <b>Otherwise:</b> he is not eligible for any ride.	Whether the visitor meets the criteria to go on a chosen ride.

### PSEUDOCODE

```
Start
// Input
    Ride
    Age
    Height
// Process
    If (Ride = "Dragon Roller Coaster") then
        If (height >= 48) then
            If (Age >= 10) then
                Print "You are eligible to take the ride."
            Else
                Print "Sorry! You are not eligible to take the ride."
            End if
        Else
            Print "Sorry! You are not eligible to take the ride."
        End if
    Else if (Ride ="Sky Swing") then
        If (height >= 54) then
            Print "You are eligible to take the ride."
        Else
            Print "Sorry! You are not eligible to take the ride."
        End if
    Else if (Ride = "Carousel") then
        If ("Age >= 5) then
            Print "You are eligible to take the ride."
        Else
            Print "Sorry! You are not eligible to take the ride."
        End if
    Else
```

Print "invalid input."

End if

End