Q6:- Amusement Park Ride Eligibility

IPO

Input	Process	Output
① Height of visitor ② Age of visitor ③ Ride Name	① For Dragon Roller Coaster, if height is ≥ 48 inches and age ≥ 10, then visitor meets criteria for Dragon Roller Coaster. ② For Sky Swing, if $h \geq 54$ inches, then visitor meets criteria for Sky Swing. ③ For Carousel, if age ≥ 5, then visitor meets criteria for Carousel.	① Visitor meets criteria for required ride. ② Visitor does not meet criteria for required ride.

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①  START
②        // Input /output
③  INPUT height 'h' of visitor.
④  INPUT age of visitor.
⑤  INPUT ride "name".
⑥        // Process steps
⑦  IF ride is "Dragon Roller Coaster" THEN
⑧     IF h ≥ 48 inches AND age ≥ 10 THEN
⑨        PRINT " Visitor meets criteria for Dragon Roller Coaster"
⑩     ENDIF ELSE
⑪        PRINT "Visitor does not meet criteria for Dragon Roller Coaster
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⑫ END IF

⑬ IF ride is "sky swing" THEN

⑭ IF h ≥ 54 inches THEN

⑮ PRINT "Visitor meets criteria for sky swing."

⑯ ELSE

⑰ END IF

⑱ PRINT "Visitor does not meet criteria for sky swing."

⑲ ELSE IF ride is "Carousel" THEN

⑳ IF age ≥ 5 THEN

㉑ PRINT "Visitor meets criteria for Carousel."

㉒ END IF ELSE

㉓ PRINT "Visitor does not meet criteria for Carousel."

㉔ END IF

㉕ END

FLOWCHART