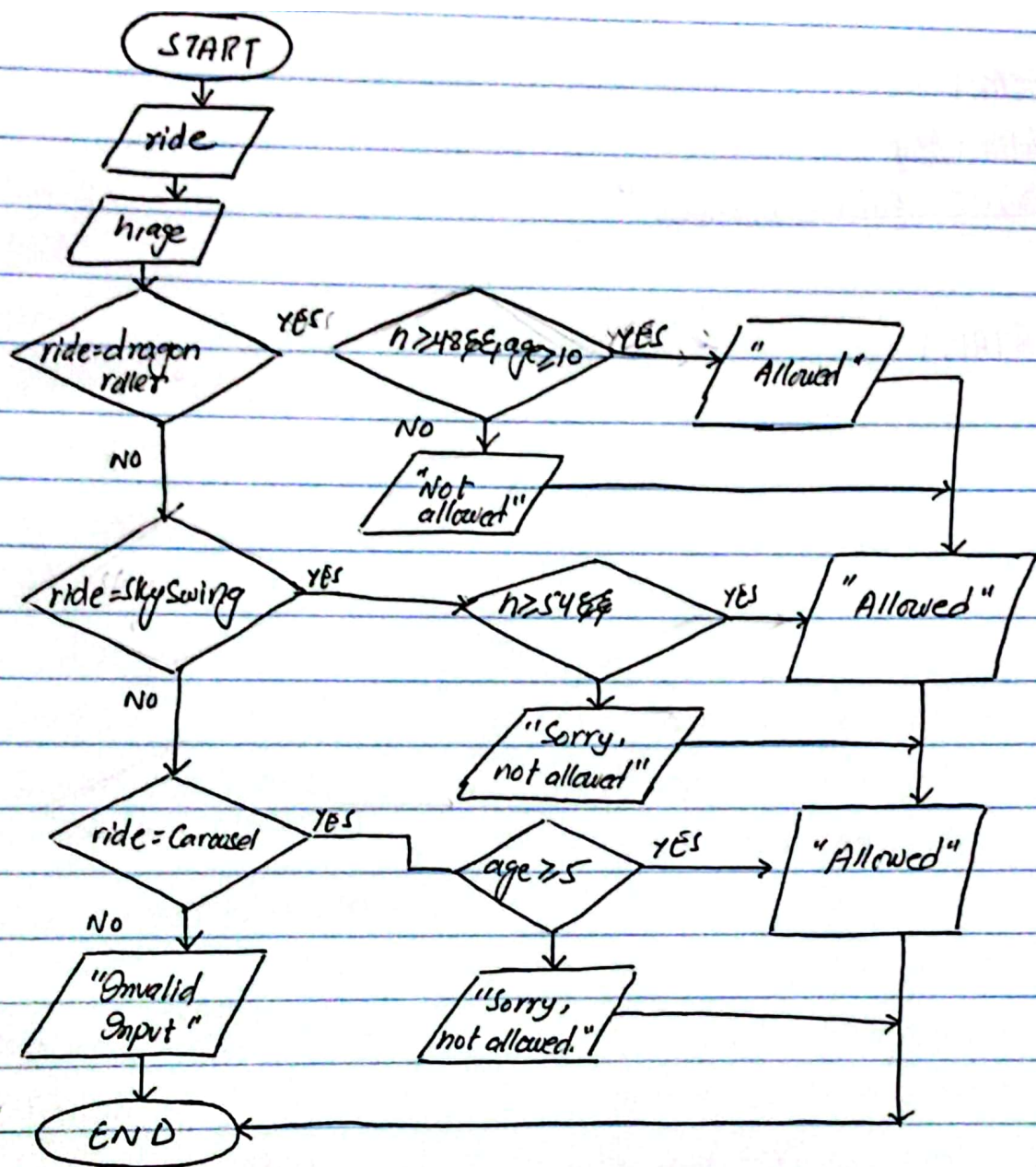


Date: 14/09/2024

Question 6:

```
1. START
2. SET h, age as INTEGER
3. SET side as CHAR
4. PRINT "Enter your height. "
5. INPUT h.
6. PRINT "Enter your age. "
7. INPUT age.
8. PRINT "Choose your side. "
9. INPUT side.
10. IF (side = Dragon Roller Coaster) THEN
11.     IF (h ≥ 48 AND age ≥ 10) THEN
12.         PRINT "You meet the criteria for the Dragon Roller Coaster. "
13.     ELSE PRINT "Sorry, you don't meet the criteria for this side. "
14. ELSEIF (side = Sky Swing) THEN
15.     IF (h ≥ 54) THEN
16.         PRINT "You meet the criteria for this side. "
17.     ELSE PRINT "Sorry, you don't meet the criteria for this side Sky Swing. "
18.     END IF
19. ELSEIF (side = Carousel) THEN
20.     IF (age ≥ 5) THEN
21.         PRINT "You meet the criteria for this side. "
22.     ELSE PRINT "Sorry, you don't meet the criteria for Carousel. "
23.     END IF
24. ELSE PRINT "Invalid Input. "
25. END IF
26. END.
```

INPUT	PROCESS	OUTPUT
ride height age	<p>If ride = dragon roller coaster, $h \geq 48$ AND $age \geq 10$ ELSE PRINT "NOT allowed."</p> <p>If ride = sky wing, $h \geq 54$ ELSE NO PRINT "NOT ALLOWED."</p> <p>If ride = Carousel, $age \geq 5$ ELSE PRINT "not allowed"</p>	<p>"You are allowed"</p> <p>"You are not allowed, sorry."</p>