PROBLEM #06

PSEUDOCODE:-

Start
Declare : rides, carousel Dragon_Roller_Cooster, skyswin
        as string.
Declare height, age as integer

Output "Enter the name of ride"
Input ride.

Output "Enter your age"
Input age.

Output "Enter your height"
Input height.

if ride == Dragon_Roller_coaster
   than
       if height >= 48 and age >= 10
           than
               Output "You meet the criteria for the
                   Dragon Roller coaster".
       Else
               Output "You donot meet the criteria for the
                   Dragon Roller coaster".

```
else if ride==skyswing
        than
            if height >=54 and
                than
                    Output" you meet the criteria for
                        skyswing"
            Else
                Output" You dont meet the criteria
                        for skyswing".
else if ride== carousel
        than
            if age>=5
                than
                    output "You meet the criteria for
                            skyswing"
            else
                Output " You donot meet the criteria
                        for skyswing"
else
    Output " Invalid ride"
endif
END
```
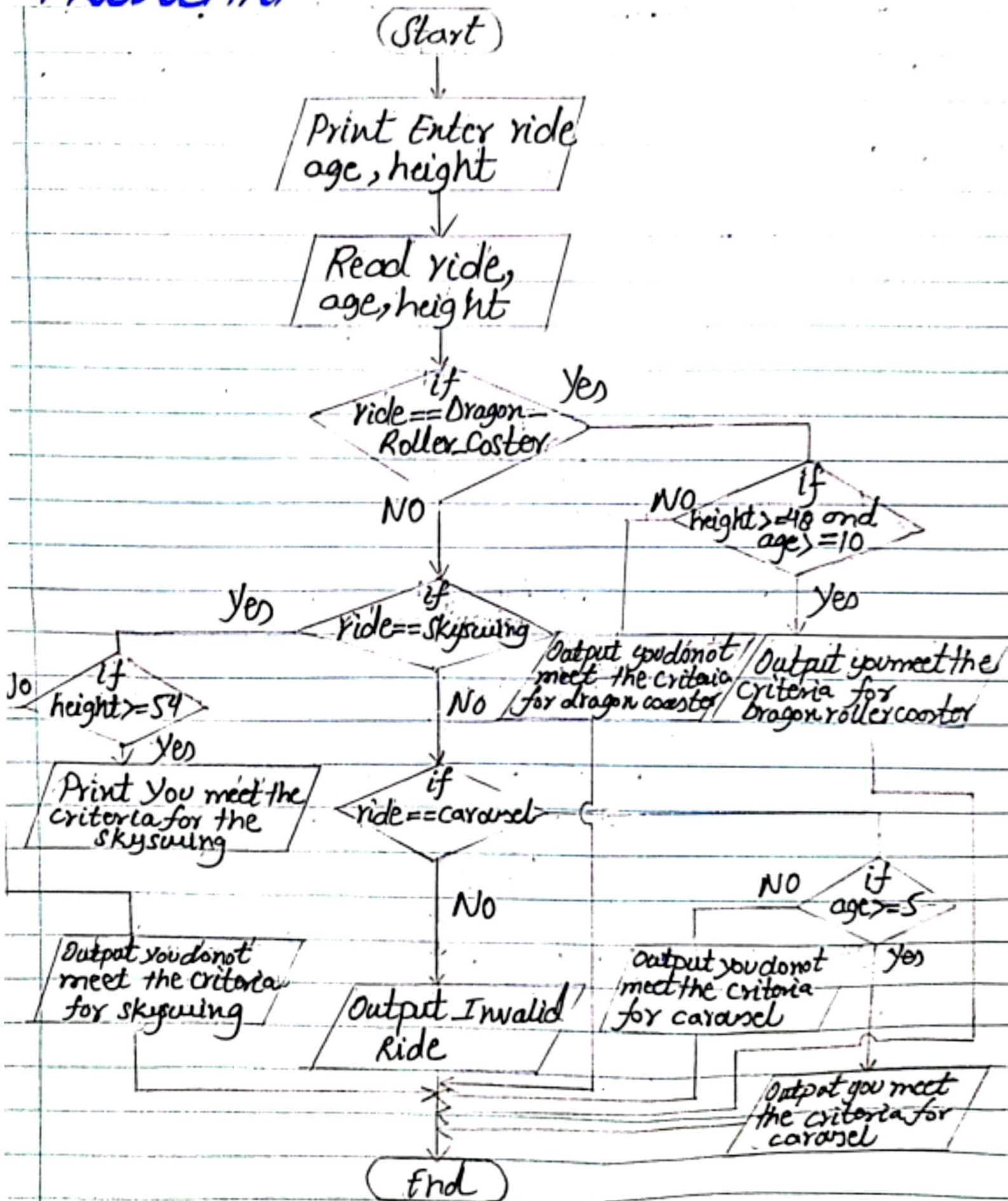
FLOWCHART

```
                    ( Start )
                        |
                        v
        +-------------------------------+
       /  Print Enter ride              /
      /   age, height                  /
     +-------------------------------+
                        |
                        v
        +-------------------------------+
       /  Read ride,                    /
      /   age, height                  /
     +-------------------------------+
                        |
                        v
                    < if
                     ride == Dragon              Yes
                     Roller_Coster >  -------------------+
                        |                                |
                        | NO                             v
                        v                          < if
                    < if                            height >= 48 and    NO
                     ride == Skyswing >             age >= 10 >  ------> Output you do not
       Yes                |                            |                 meet the criteria
   +-------+              | No                         | yes             for dragon coaster
   v                      v                            v
  < if                                          Output you meet the
   height >= 54 >  Jo                            criteria for
   |                                             dragon roller coaster
   | Yes
   v
 +---------------------+          < if
/  Print You meet the /            ride == carousel >
/  criteria for the  /                |
/  skyswing         /                 | No                    < if
+---------------------+               v                        age >= 5 >   NO
                              +------------------+                |
 +-------------------+       /  Output Invalid  /                | Yes
/  Output you do not/       /  Ride            /       Output you do not
/  meet the criteria/      +------------------+        meet the criteria
/  for skyswing    /                                   for carousel
+-------------------+
                                                        Output you meet
                                                        the criteria for
                                                        carousel
                        ( End )
```

Input	Process	Module Reference	Output
*num of ride	Input name of ride	Read	eligible or not for certain rides.
*your age	Enter your age	Read	
*your height	Enter your height	Read	
	if ride is Dragon Roller Coster then, check if height $>= 48$ and age $>= 10$	calc	
	if ride == Skyswing then if height $>= 54$	calc	
	if ride == carousel then if age $>= 5$	calc	
	if conditions met then eligible for ride, otherwise not eligible	Print	