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Gabbis Edition 8th- Chapter 4 Problem 8

Pseudocode

START

1. Set variables to be inputted by the user
2. Ask the user to input the two primary colors (in lowercase)
3. if(color1== "red" && color2 == "red")
4. Print: True - "RED"
5. else if(color1== "yellow" && color2=="yellow")
6. Print: True - " YELLOW"
7. else if(color1=="blue" && color2=="blue")
8. Print: True - "BLUE"
9. else if((color1== "red" && color2== "yellow")||(color1== "yellow" && color2== "red"))
10. Print: True- “ORANGE”
11. else if((color1== "yellow" && color2== "blue")||(color1== "blue" && color2== "yellow"))
12. Print: True- “GREEN”
13. else if((color1== "blue" && color2== "red")||(color1== "red" && color2== "blue"))
14. Print: True- “VIOLET”
15. else if((color1!= "red" || "yellow" || "blue")||(color2 != "red" || "yellow" || "blue"))
16. Print: True- “ERROR”

END

Flowchart

BLUE

True

else if(color1== "blue" && color2==

"blue")

True

YELLOW

else if(color1== "yellow" && color2==

"yellow")

if(color1== "red" && color2 == "red")

True

In lowercase

Enter a second primary color

In lowercase

Enter a primary color

Variables: “red”, “yellow”, “blue”, color, color2

START

False

False

False

RED

True

True

False

False

False

False

END

VIOLET

ERROR

else if((color1== "red" && color2== "yellow")||(color1== "yellow" && color2== "red"))

else if((color1== "red" && color2== "yellow")||(color1== "yellow" && color2== "red"))

True

GREEN

else if((color1== "yellow" && color2== "blue")||(color1== "blue" && color2== "yellow"))

else if((color1== "red" && color2== "yellow")||(color1== "yellow" && color2== "red"))

True

ORANGE