



Question

A programmer has been asked to write a program which asks the user to enter the word 'GREEN' or 'RED' and outputs the word 'GO', when 'GREEN' is entered and outputs the word 'STOP', when 'RED' is entered.

Write an algorithm in pseudocode which satisfies this request.

Answer



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A programmer has been asked to write a program which asks the user to enter the word 'GREEN' or 'RED' and outputs the word 'GO', when 'GREEN' is entered and outputs the word 'STOP', when 'RED' is entered.

Write an algorithm in pseudocode which satisfies this request.

Answer

There are always different ways to solve a problem. This algorithm is just an example. What is important is that the logic is correct!

LOGIC:

- Ask the user to enter either the colour GREEN or RED
- Store in variable
- If variable contains the word GREEN, output the word GO
- If variable contains the word RED, output the word STOP
- Otherwise output a suitable error message

EXAMPLE ALGORITHM:

```
colour = input("Enter either the word GREEN or RED")
```

```
if colour == "GREEN"
```

```
  print("GO")
```

```
elseif colour == "RED"
```

```
  print("STOP")
```

```
else
```

```
  print("You didn't enter either GREEN or RED")
```

```
endif
```