



Question

A programmer has been asked to write a function which will receive the age of a user and decide if they are old enough to be served a drink (18 or over), returning the result of the decision (yes/no) back to the main program for outputting.

Write a subroutine, in pseudocode, which shows the logic of the problem above.

Answer



Question

A programmer has been asked to write a function which will receive the age of a user and decide if they are old enough to be served a drink (18 or over), returning the result of the decision (yes/no) back to the main program for outputting.

Write a subroutine, in pseudocode, which shows the logic of the problem above.

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:

- Declare a function with a parameter
- If the parameter value is equal or greater than 18 assign variable with string "Yes"
- Else assign variable with string "No"
- Return the value of the variable back to the main program
- Call the function passing an age as an argument, ensuring the function is assigned to a variable which will receive the returned value.
- Output the returned value.

EXAMPLE ALGORITHM:

```
function oldEnough(x)
```

```
  if x >= 18
```

```
    answer = "Yes"
```

```
  else
```

```
    answer = "No"
```

```
  endif
```

```
  return answer
```

```
result = oldEnough(age)
```

```
print(result)
```