

User testing - user description

Thank you for participating in testing our programming language we hope that the problem descriptions were understandable and your experience was pleasant

We want to hear your feedback so we can keep improving our approach on how we can create a programming language that will allow novice programmers to transition to java and python and understand the fundamentals of programming .

Below you will be given two problems please solve both problems without the use of the internet. You will be required to watch the tutorial videos and read through the user manual to familiarise yourself with the Mona programming language

Tutorial link

https://drive.google.com/drive/folders/1_VOyGigSFhIFGkUK5X4QSoaDvRaG8QD1?ths=true

Java online

https://www.tutorialspoint.com/compile_java_online.php

Python online

<https://repl.it/languages/python3>

Problem Number 1

Write a short program in the **programming language your least familiar with** that prints each number from 1 to 100 on a new line.

For each multiple of 3, print "Fizz" instead of the number.

For each multiple of 5, print "Buzz" instead of the number.

For numbers which are multiples of both 3 and 5, print "FizzBuzz" instead of the number.

After your finished answer the survey questions associated with **First problem**

Re attempt problem in the **mona programming language** answer the questions associated with this in the survey

Problem Number 2

Create a function that evaluates if a string is a palindrome the function should take in a string and return a boolean

Palindrome can be a word, phrase or that can be read and spelled the same way in either direction.

Please test the program with the following words

Racecar = true

Car = false

Radar = true

Anna = true

After your finished answer the survey questions associated with **second problem**

Re attempt problem in the **mona programming language** answer the questions associated with this in the survey

After finishing these problems please answer the rest of the questions. The answers for the problems in mona can be seen below

```
bool isPalindrome(string s){  
    var int i = 0 ;  
    var int len = s.length();  
    var bool palindrome = true ;  
    while( i < len){  
        var string l = s.getChar(i);  
        var int j = len - i - 1 ;  
        var string k = s.getChar(j);  
        i = i + 1 ;  
        if(k != l){  
            palindrome = false ;  
        }  
    }  
    return(palindrome) ;  
}
```

```
}  
  
main{  
  
    var string palindrome = "racecar" ;  
  
    var bool a = isPalindrome(palindrome);  
  
    print(a) ;  
  
}
```

FizBuzz Answer

```
main{  
    var int i = 0 ;  
    while(i < 20){  
        var int mod3 = i % 3 ;  
        var int mod5 = i % 5 ;  
        if (mod3 == 0 && mod5 == 0 ){  
            print("FizzBuzz");  
        }  
        else_if(mod3 == 0 ){  
            print("Fizz");  
        }  
        else_if(mod5 == 0 ){  
            print("buzz") ;  
        }  
        i = i + 1 ;  
    }  
}
```