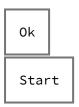
Programming Language Survey

This survey is designed to compare the readability of two programming languages. It is anonymous and the languages are being judged, not you, so don't feel stressed. Just answer all questions as good as you can.

Please fill in the information below and click "Done" to start.

• Age:	
Field of Study:	
• Semester:	
• Proficiency in C or C++: none	
• Proficiency in Python: none	
Done	

Please **read** the following code examples and **answer the questions** in the box below. The programming language of the example is noted on the top right.



What is the following code doing?

```
#include "stm32f4xx_gpio.h"

int main(void) {
    GPIO_InitTypeDef GPIO_InitDef;

    GPIO_InitDef.GPIO_Pin = GPIO_PIN_13;
    GPIO_InitDef.GPIO_Mode = GPIO_MODE_OUTPUT_PP;
}
```

```
GPI0_Init(GPIOG, &GPI0_InitDef);

GPI0_WritePin(GPIOG, GPI0_PIN_13, GPI0_PIN_SET);
}

Done
Start
```

What is the following code doing?

python

```
try:
    with open('input.txt') as infile:
        with open('output.txt', 'w') as outfile:
            for line in infile:
                outfile.write(line)
except IOError:
    print("Error opening file.")
Done

Start
```

What are the values of a and b at the end of this code?

```
int a = 1;
int b = 2;
```

```
int temp;
temp = a + b;
a = b;
b = temp;
Done
Start
```

What are the values of x and y at the end of this code?

python

```
a = 45
b = 0.45
x = a + b
y = a + b
Done
Start
```

What is the following code doing?

```
#include <stdio.h>
```

```
int main(void) {
   int i = 99;

while(i > 0) {
     printf("%d\n", i);
     i--;
   }
}
```

What is the following code doing

Start

python

```
for i in range(1, 100):
    if i%3 == 0 and i%5 == 0:
        print("FizzBuzz")
    elif i%3 == 0:
        print("Fizz")
    elif i%5 == 0:
        print("Buzz")
    else:
        print(i)
```

Done

Start

```
C
```

```
#include <stdio.h>
int main(void) {
   int i;
   double a = 123.1423414123;
   printf("%d\n", i);
}
```

Done Start

Start

What is the output of this code?

python

```
a = [1,2,3,4,5]
print(a[5])
```

What is the output of this code?

```
#include <stdio.h>
  int main(void) {
      int i;
      for(i=0; i<3; i++) {</pre>
           printf("%d\n", i);
      }
 }
 Done
 Start
What is the following code doing?
                                                                   python
 from machine import Pin
 p = Pin('X1', Pin.OUT)
 p.high()
 Done
 Start
```

What is the following code doing?

```
#include <stdio.h>
int main() {
    FILE *in, *out;
    int c;
    in = fopen("input.txt", "r");
    if (!in) {
        printf("Error opening input.txt for reading.\n");
        return 1;
    }
    out = fopen("output.txt", "w");
    if (!out) {
        printf("Error opening output.txt for writing.\n");
        fclose(in);
        return 1;
    }
    while ((c = fgetc(in)) != EOF) {
        fputc(c, out);
    }
    fclose(out);
    fclose(in);
    return 0;
}
```

```
Done
Start
```

What are the values of a and b at the end of this code?

```
a = 1
b = 2

a, b = b, a+b

Done
Start
```

What are the values of x and y at the end of this code?

C

```
int a = 45;
float b = 0.45;
int x;
float y;

x = a + b;
y = a + b;
Done
```

What is the following code doing?

Start

```
i = 99
while i > 0:
    print(i)
    i = i - 1
Done
Start
```

C

What is the following code doing?

#include <stdio.h>
int main(void) {
 int i;

 for(i=1; i<100; i++) {
 if((i%3 || i%5) == 0) {
 printf("FizzBuzz\n");
 } else if(i%3 == 0) {
 printf("Fizz\n");
 } else if(i%5 == 0) {
 printf("Buzz\n");
 } else {
 printf("%d\n",i);
 }
 }
}</pre>

```
Done
```

What is the output of this code?

python

```
a = 123.1423414123
print(i)
```

Done Start

Start

What is the output of this code?

```
#include <stdio.h>
int main(void) {
   int a[5] = {1,2,3,4,5};
   printf("%d\n",a[5]);
}
```

Done Start What is the output of this code? python for i in range(0, 3): print(i) Done How are code blocks structured in C?
What is the output of this code? pythology for i in range(0, 3): print(i) Done
<pre>for i in range(0, 3): print(i)</pre> Done
<pre>for i in range(0, 3): print(i)</pre> <pre>Done</pre>
print(i) Done
How are code blocks structured in C?
How are code blocks structured in Python?
• Define a function that returns 1+a, where a is an argument of the function, in C (use 4 whitespaces for indentation):

• Define a function that returns 1+a, where a is an argument of the function, in Python (use 4 whitespaces for indentation):

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VV n	nat do you think about C?	_
Wh	nat do you think about Python?	
		_
ne		
ıve!	Thank You!	