

Mathematics Department, Institute for Advance Studies in Basic Sciences

Fillers in programing

S. Zarrin pour
sa.zarrinpour@iasbs.ac.ir
samim56b@gmail.com

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Institute for Advanced Studies
in Basic Sciences (IASBS)
Gaza City, Qazvin, Iran
Department of Mathematics



Introduction

- Meaning
- Types

programming fillers

- Introduction
- Hello Wolrd!
- Foo Bar
- Lorem Ipsum

Q&A

References



structure

- ▶ /'fɪlə/
- ▶ noun

meaning

- ▶ a thing put in a space or container to fill it.
- ▶ a person or thing that fills a space or container.





► Bad



- ▶ Bad
- ▶ Good



► hello world!

programming fillers

most used programming fillers



- ▶ hello world!
- ▶ foo bar

programming fillers

most used programming fillers



- ▶ hello world!
- ▶ foo bar
- ▶ lorem ipsum



novice Usage

- ▶ outputs or displays the message "Hello, World!"
- ▶ very simple in most programming languages
- ▶ used to illustrate the basic syntax
- ▶ the first program people write



Pro Usage

- ▶ to introduce novice programmers to a programming language.
- ▶ Sanity test
- ▶ Illustrate a complex notion



Most Known Example : C++

```
#include <stdio.h>
main() {
    printf("hello, world\n");
}
```





The First Used Example (1972): B

```
main(){  
    extrn a,b,c;  
    putchar(a);  
    putchar(b);  
    putchar(c);  
    putchar('!*n');  
}
```

```
a 'hell';  
b 'o, w';  
c 'orld';
```



- ▶ The etymology of foo is obscure
- ▶ bar is generally traced to the World War II military slang FUBAR
- ▶ foo first appeared in 1930 in the comic "Smokey Stover"
- ▶ placeholder names (metasyntactic variables)



foo bar as metasyntactic variables : C++

```
#include <stdio.h>

int main() {
    const char *foo = "Hello";
    const char *bar = "World!";
    fprintf(stdout, "%s %s\n", foo, bar);

    return 0;
}
```





- ▶ pseudo-Latin text
- ▶ placeholder text
- ▶ demonstrate the visual form of a document without relying on meaningful content (greeking)
- ▶ design the form of the content before the content has been produced
- ▶ introduced in the mid-1980s by Aldus Corporation



Quod praeceptum quia maius erat, quam ut ab homine videretur, idcirco assignatum est deo.

Lorem ipsum dolor sit amet, consectetur adipiscing elit. Tu autem, si tibi illa probabantur, cur non propriis verbis ea tenebas? *Ratio enim nostra consentit, pugnat oratio.* Frater et T. Duo Reges: constructio interrete. Duo enim genera quae erant, fecit tria. Sed emolumenta communia esse dicuntur, recte autem facta et peccata non habentur communia. **Bestiarum vero nullum iudicium puto.** Videamus igitur sententias eorum, tum ad verba redeamus. *Ratio quidem vestra sic cogit.* At ego quem huic anteponam non audeo dicere; Confecta res esset. Quo igitur, inquit, modo? An hoc usque quaque, aliter in vita?

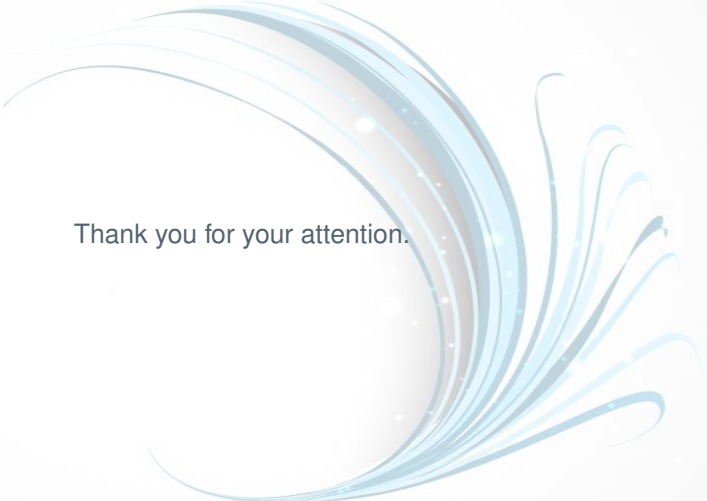




"Ask, and it shall be given you!"
Matthew 7:7



- ▶ <https://www.wikipedia.org/>
- ▶ <https://loripsum.net/>

A decorative graphic consisting of multiple overlapping, flowing lines in shades of light blue and white. The lines curve from the upper left towards the lower right, creating a sense of motion and elegance. Some lines have small, glowing white dots or sparkles along their length.

Thank you for your attention.