

Programming Merit Badge

TOOLS

To complete the C++ program you will need:

- A "Text" editor
 - o Recommended: VS Code
 - https://code.visualstudio.com
- A C/C++ compiler
 - O Windows:
 - Visual Studio
 - https://visualstudio.microsoft.com
 - GCC (MingW)
 - http://www.mingw.org

TOOLS

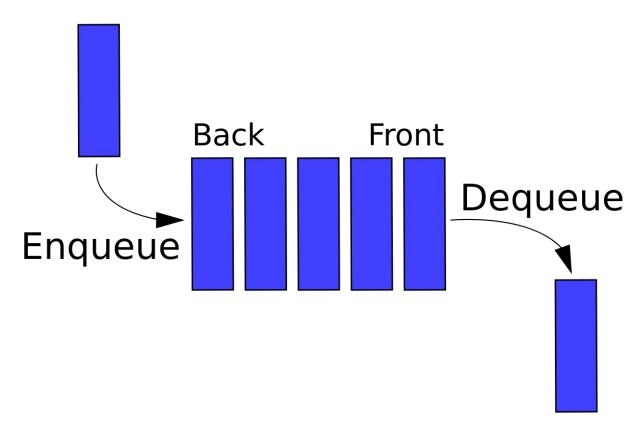
Sample programs and homework problem:

https://github.com/johneegeek/pmb

Data Structure: QUEUES



Data Structure: QUEUES



Data Structure: QUEUES

FIFO – an acronym for first in, first out – in computing and in systems theory, is a method for organising the manipulation of a data structure – often, specifically a data buffer – where the oldest (first) entry, or 'head' of the queue, is processed first.

Language #2: Java

To complete the Java program you will need:

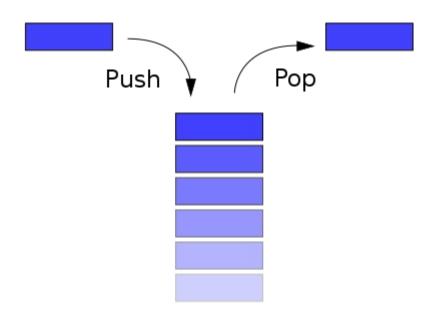
- A "Text" editor (We'll use the same one we used before)
 - o Recommended: VS Code
 - https://code.visualstudio.com
- A JAVA "Development Environment"
 - Java JDK:
 - https://www.oracle.com/sg/java/technologies/javase-downloads.html

Java - Hello World

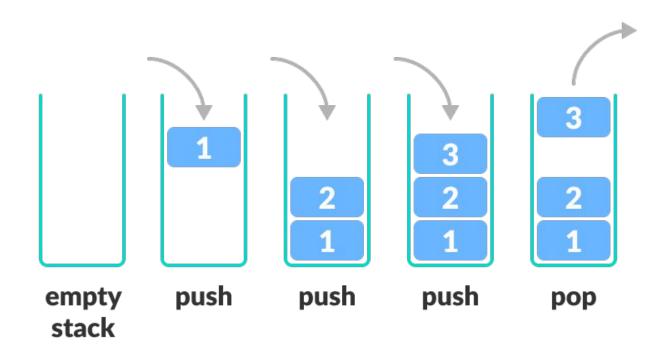
```
/**
  * My hello world in Java
  */

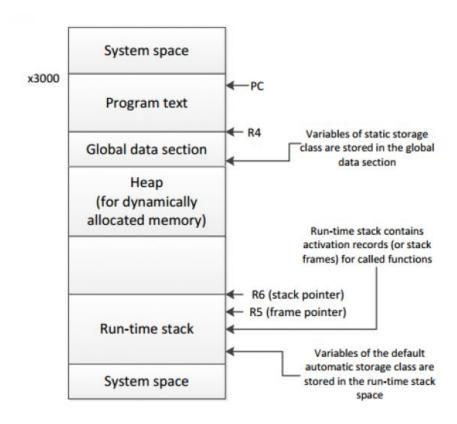
// Class definition: The name of your main 'class' needs
// to match the name of your file.
public class hello
{
    public static void main(final String[] args)
    {
        System.out.println("Hello World");
    }
}
```





LIFO – an acronym for last in, first out – in computing and in systems theory, is a method for organising the manipulation of a data structure – often, specifically a data buffer – where the last entry, or top of the stack, is processed first.





HOMEWORK PROBLEM #2

Reverse String