Servlet
- is an efficient and powerful solution used to create dynamic content for the web.
- Fundamental building block of mainstream server-side java.

Why do we need Servlet?
- Servlet is a java program that is capable of extending the capabilities of a server.

Advantage of Servlet
- Better performance
        It creates a thread not process for each request.
- Portability
        Servlet uses Java Language
- Robust
        Servlet is being managed by JVM.
- Secure
        Servlet uses java language and Java compiler creates a Byte code class file.

Web Application
- Application that is accessible from the web.

        Composed of web components:
        - Servlet
        - JSP
        - HTML
- Etc.,

CGI vs. Servlet

CGI (Common Gateway Interface)
- Enables the web server to call an external program and pass the HTTP request information to the external program to process the request.

Used:
- To generate pages dynamically
- perform some other action when someone fills out an HTML form and click the submit button.

How it works:
- A reader sends a URL that causes the AOLserver to use CGI to run the program.

Disadvantages of CGI
- Increasing number of clients will take more time for sending response.
- Starts a process for each request. (Web Server is limited to start a process)
- CGI uses platform dependent language. (C, C++, perl)

        Platform Dependent
                - refers to application that run in only one hardware series with the operating system
not being relevant.