Shell Shock

◉ ∽∽∿ Bash - Shell Shock [Command Injection]

Surface

→ Command Line Terminal — (BASH) one such tool
   ↳ a text message type in you to talk to the kernel.
To perform some instruction

⊛ User ⟶ Text Message ⟶ Kernel (Instruction (or)
                                    Command (or)
                                    Operation)

The Attack

→ Simple ⊕ Brief :
* when you create ALIAS which causes command injection

→ ALIAS ⟶ Echo ⟶ Prints Out The
   Creation (should handle as text message) Text

→ ALIAS ⊕ "( ) { : ; } ;" + command
          ⌣   ↳ Executes The Command
       RANDOM STRING

         ( ) { : ; } ;   Erases
         ‾‾‾‾‾‾‾‾‾‾   Everything
                                              ( )
• The above scenario causes command injection (rm -rf /)

BASH is also used by Programs ⇒ * } SIMPLE PROGRAMS
                               ⇒ *
                               ⇒ *

Program ⇉ communicate for any operation to
            RE-USE THE CODE

WEB ⟶ PHP ⟹ ⊕... Shell For Operation } INPUT CAN
                                         END UP HERE

HOW ? EXPLOIT

MITIGATE

* Update or patch the files

* Do not apply the i/p directly without SANITIZATION
* No i/p to Command line