Ther is three files in GOPATH environment – pkg,src,bin

```
export <go env command>=/path/to/custom/<go file>
go install ./...
```

GO ENV COMMANDS

1. <u>GO111MODULE</u>: controls behaviour of go module. is used to enable or disable Go modules. it can be set to "on," "off," or "auto."
2. <u>GOARCH:</u> The architecture target for the build. Here my GOARCH=amd64

3. <u>GOBIN:</u> The directory where go install will install a binary. There is separate central location for bin if we working on multiple go file.

4. <u>GOCACHE:</u> The location of the build cache. This cache is used to store compiled package files, which helps speed up subsequent builds by reusing previously compiled code instead of recompiling it from scratch.

5. <u>GOENV:</u> The location of the Go environment configuration file. provides a single file to manage various Go environment settings, making it easier to maintain and update configurations without modifying multiple files or setting environment variables in the shell.

6. <u>GOEXE:</u> The executable file suffix (".exe" on Windows, "" on most Unix systems). Platform independent

7. <u>GOFLAGS</u>: A space-separated list of go command line flags to apply by default.
    i. -mod=readonly: Ensures that go commands do not modify the go.mod file.
    ii. -v: Enables verbose output.
    iii. -race: Enables data race detection.
    iv. -tags=<tags>: Sets build tags.
    v. -ldflags=<flags>: Sets linker flags.

      vi.   -gcflags=\<flags\>: Sets Go compiler flags.

     vii.   -asmflags=\<flags\>: Sets assembler flags.

8. <u>GOHOSTARCH:</u> The architecture of the machine Go is running on.

9. <u>GOHOSTOS:</u> The operating system of the machine Go is running on.

10. <u>GOINSECURE:</u> Comma-separated list of module paths to allow use of insecure protocols.

11. <u>GOMOD:</u> The absolute path to the go.mod file.

12. <u>GOMODCACHE:</u> The directory where Go modules are stored.

13. <u>GONOPROXY:</u> Comma-separated list of module paths for which the proxy should not be used.

14. <u>GONOSUMDB:</u> Comma-separated list of module paths for which the checksum database should not be used

15. <u>GOOS:</u> The operating system target for the build.

16. <u>GOPATH:</u> The workspace directory.

17. <u>GOPRIVATE:</u> Comma-separated list of module paths to mark as private.

18. <u>GOPROXY:</u> The URL of the Go module proxy.

19. <u>GOROOT:</u> The root of the Go tree.

20. <u>GOSUMDB:</u> The name of the checksum database to use.

21. <u>GOTMPDIR</u>: The temporary directory for Go.

22. <u>GOTOOLDIR</u>: The directory where the go tools are installed.