GITHUB Actions Interview Q&A

1. What are github actions?  
   Workflow automation process provided by github
2. What is CI/CD?

Code changes are automatically built and tested in CI

Code changes are deployed automatically in CD

1. What is github?

Git is a standalone tool, free version control system.

Github is a cloud GIT repository and services provider

1. Important git commands:

Git configure : Used to initialize git as a command in your environment. Once installed it is the first thing to run to make git known in the system

Git init : Used to initializer a folder as a git repository

Git checkout : checkout a branch or switch between branches

Git revert: revert the changes in the last commit, creates a new commit

Git reset : revert changes in some commit, reset head to older commit, all changes are gone, no new commit is created. It deletes the history of commits.

Git branch: create a new branch

Gti branch -D : delete a created branch

Git checkout -b : create a new branch

Git branch -m master main : rename master to main

Git merge fb : merge feature branch with the current branch

Git remote add origin github-url : add local repo to github

Git push origin main : Create a main branch in the repo

1. Components of github actions
   1. Workflows
   2. Jobs
   3. Steps
2. Purpose of Workflow\_dispatch ?

Used to manually start a workflow

1. How to run multi line commands in github steps?

Use | symbol after run and specify commands there after:

run : |

echo “line 1”

echo “line 2”

1. What are some of the most used workflow events?

Repository related : push, create, pull-request, fork, issues, issue\_comment, watch, discussion etc

Other : workflow\_dispatch, repository\_dispatch, schedule, workflow\_call

Search for github action events

1. What is difference between run command and github actions?