Scenario explanation

1. The build should trigger as soon as anyone in the dev team checks in code to master branch.

**Ans:-**

This is we can do by enabling the continue integration in build pipeline.

1. *There will be test projects which will create and maintained in the solution along the Web and API. The trigger should build all the 3 projects - Web, API and test.*

*The build should not be successful if any test fails*

**Ans:-**

We can use .net core task build web and API test project

1. *The deployment of code and artifacts should be automated to Dev environment*

**Ans:-**

1. *Upon successful deployment to the Dev environment, deployment should be easily promoted to QA and Prod through automated process.*

*Ans:-* In release pipeline we can choose control option,

1. *The deployments to QA and Prod should be enabled with Approvals from approvers only.*

Ans:- We can set approver for pre and post deployment.