* 1. - Programming language compiler used by developers to transform their codes into a machine language.

Monolithic Architecture which is made to handle several jobs which would be useful in interpreting the code and breaking it up/ converting it to machine language

* 1. – The Facebook messaging system where users may send and receive messages, as well as share pictures, videos, stickers, music, and files.

Microservices since the application incorporates many sub features and services that are utilized by the user

* 1. – An email system

SOA (service-oriented architecture) would be the most sensible since email system tend only have a few actual features which are limited to viewing and sending emails communicating with a larger server

* 1. – An eCommerce web application

SOA but with some similarities to Microservices since depending on the website though the main features may be lending/spending there could potentially be sub features that could be either inculpated into SOA or just completely solely using microservices

* 1. – Netflix system

SOA is the most likely architecture to be used since Netflix has only a few sub functions running in cohesion like the video and account.