

Question 1:

Provide some example of config file separation for dev and prod environments.

- The config file is used to configure the working environment which is used to keep the data secure. The actual data is stored in .env, which is more important in the deployment phase. The important credential is stored there.
- Which can be accessed by "process.env.variablename".
- we can separate config files into
 - development(dev)
 - production(prod)
 - keys config file. -> which is used for encryption and decryption of data
- Development Mode – dev.js file:

```
module.exports = {  
  MONGOURI:"Enter Your Database URL",  
  JWT_SECRET:"secret"  
}
```

- In the development mode, the developer will be handling the more secure data which has to be kept as secret, which can't be shared with public, such data are stored in .env file and it's been used in the dev file in a secure manner.

- Production Mode – prod.js file:

```
module.exports = {  
  MONGOURL:process.env.MONGOURL,  
  SECRET:process.env.SECRET  
}
```

- In the Production mode the developer is strictly advised to the .env file to secure the data .
- In the config folder the prod.js file which has the important credentials its accessed from the .env with the help of the process.env.variablename . which is credited with the NPM package known as “dotenv”.
- Config.js file - code

```
if(process.env.NODE_ENV==='production') {
  module.exports = require('./prod')
} else {
  module.exports = require('./dev')
}
```

- Server.js File -code

```
if(process.env.NODE_ENV=="production"){
  app.use(express.static('client/build'))
  const path = require('path')
  app.get("*",(req,res)=>{
    res.sendFile(path.resolve(__dirname,'client','build','index.html'))
  })
}
```

- The above code which is written in the config.js and server.js file helps in the which mode the currently the developer is working in when the user woks in dev mode then that mode will be carried if not the prod mode when the developer work in live project which means the project is deployed.