<u>TYPE ALL CODE EXAMPLE. DO NOT COPY PASTE CODE SAMPLES.</u>

- Create a dir in your desktop called upasana_example_project
- Create a new file inside it called README.md
- Create a new project in github called upasana_example_project
- Start tracking upasana_example_project dir on your local machine on git with the remote set to the same project name on github you just created

- Add this text to your README file and push it up on master
  ```
  ### upasana_example_project
  This is a sample project which contains some html and css

  #### Deployment
  This project is deployed on heroku
  ```

- Now create **4 new branches, each one from master** - add-index-php, add-index-html, add-index-css, add-index-js

- In the <u>add-index-php</u> branch, add this content to <u>index.php</u> file and push it to the branch
  ```
  <?php include_once("index.html"); ?>
  ```

- In the <u>add-index-html</u> branch add this content to <u>index.html</u> and push it up to the branch
  ```
  <!DOCTYPE html>
  <html>
  <body>
  <p>This page contains some simple html and css</p>
  </body>
  </html>
  ```

- In the <u>add-index-css</u> branch add this content to <u>index.css</u> and push it up to the branch
  ```
  body { margin: 20px;}
  p {
      background-color: powderblue;
  }
  ```

- In the add-index-js branch add this content to index.js and push it up to the branch

```
$(document).ready(function() {
  alert("page is loaded and ready");
});
```

- Now in the add-index-html branch add some new html after the paragraph to the index.html file and push it

```
<button type="button" onclick="changeParagraphContent()">Change Paragraph</button>
```

- In the same branch i.e., add-index-html add an id to the p tag called ```demo``` and push it

- Next in the add-index-js branch add a new JS function to the end of the index.js file and push it to the branch

```
function  changeParagraphContent() {
  var element = document.getElementById("demo");
  if element.classList.contains("red") {
    element.innerHTML = "This page contains some simple html and css";
    element.classList.remove("red");
  } else {
    element.innerHTML = "This is the new paragraph text";
    element.classList.add("red");
  }
}
```

- Next in the in the add-index-css branch add some new css to the end of the index.css file and push it

```
.red {
    background-color: red;
}
```

- Now create github pull requests and merge add-index-js from github UI
- Create a version tag v0.0.1 on master for the latest merge and push it up
- Create github pull requests and merge add-index-css into master from the github UI
- Create a version tag v0.0.2 on master for the latest merge and push it up

- Go to <u>add-index-html</u> branch again and add these new lines to the <u>index.html</u> file's head section and push it up
  ```
  <link rel="stylesheet" type="text/css" href="index.css">
  <script type="text/javascript" src="index.html"></script>
  ```

- Now create a github pull request for <u>add-index-html</u> and then merge it into master from the github UI
- Create a version tag v0.0.3 on master for the latest merge and push it up
- Next **manually** merge <u>add-index-php</u> branch without creating github pull requests and push it up
- Create a version tag v0.0.4 on master for the latest merge and push it up
- Next create a new project on heroku and deploy the master branch on it
- Copy the url and add to the readme and push it up
- Take screenshots of your history file and add to images directory in your project and push up the screenshots too
- Delete all working branches (NOT master branch) from local and remote
- Copy all index.* files into ~/upasana/bcit-d3-courses/COMP_1170/examples/test_1 directory and push it up
- Come back to your upasana_example_project on desktop and capture the output of ```git log``` to a file called git-history.txt and move it to ~/upasana/bcit-d3-courses/COMP_1170/examples/test_1 dir and push it up on your bcit-d3-courses repo
- Come back to your upasana_example_project on desktop and capture the last 30 lines of your shell history to a file called cli-history.txt and move it to ~/upasana/bcit-d3-courses/COMP_1170/examples/test_1 dir and push it up on your bcit-d3-courses repo
- Now come back to your upasana_example_project on desktop from your directory remove git tracking by deleting the .git folder.
- Check with git status that the dir is not tracked by git any more.
- Now zip up upasana_example_project and move it to ~/upasana/bcit-d3-courses/COMP_1170/examples/test_1 and push it.
- Download this question paper and move it to ~/upasana/bcit-d3-courses/COMP_1170/examples/test_1 and push it up too.
- Delete upasana_example_project from your desktop dir.