



Project Title — Digital-Javascript-2

Project Type	Project Name/ID	Hosted By TG/Account	Duration	Project Owner /Account
L1 Assignment	Digital-Javascript Assignments-2	TopGear	2 PDs	NA

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https://topgear-app.wipro.com/sites/default/files/steps_to_execute_topgear_training_case_study_projects_v-1-2-1.pdf	2
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About This Project

The project is a hands-on knowledge on Javascript.

Who Is Eligible

Person who has basic knowledge of Javascript is eligible for the project.

Pre-Requisites

The pre-requisites for this project is HTML, CSS and Javascript.

Scope of Work& Deliverables

1. Coding
2. To understand executing and submission process of TopGear Training and Case study projects user can refer following documents on the portal:

https://topgear-app.wipro.com/sites/default/files/steps_to_execute_topgear_training_case_study_projects_v-1-2-1.pdf

Note: User is recommended to read this document thoroughly before starting with their respective TopGear project.

Technologies

This assignment uses Javascript to explore and learn advanced topics of script based programming.

Training Tasks

1. Assignment 1:

- i. To display a digital clock at the div space using Javascript.
- ii. Google suggest like interface.
- iii. Create an HTML page with 3 country's flags. When the user moves the mouse over one of the flags, the onMouseover event calls a function to display the name of the country in the text box. When they move the mouse away from the flag, the textBoxClear function is called to clear the text box.

2. Assignment 2:

- i. Write a JavaScript function to convert an object into a list of '[key, value]' pairs.
Sample Input: {red: "#FF0000", green: "#00FF00", white: "#FFFFFF"}
Sample Output: ["red", "#FF0000"], ["green", "#00FF00"], ["white", "#FFFFFF"]]

ii. Javascript program to accept a number from user and display multiplication table for it (like $5 \times 1 = 5$, $5 \times 2 = 10$ etc...)

iii. Write a function that given a list of non-negative integers, arranges them such that they form the largest possible number. For example, given [50, 2, 1, 9], the largest formed number is 95021.

Environment

To execute this training project user can use own desktop/laptop set with essential JavaScript/HTML/CSS development environment (need GitBash tool) or can use TopGear provided VDIs (Ubuntu /MEAN) which are set for JavaScript HTML,CSS based development

Completion Criteria

- Employee should complete the project within timeline provided.
- In case user has not followed appropriate steps or job is partly finished, then project can be reopened/reverted back.
- Employee must follow all rules and task as instructed to avoid rejection/reopening of projects.
- Once the project is closed successfully after submission and review, user will earn # reward points and the user will be visible to appropriate practices and accounts.
- If the user has completed a Use case, project or Solution project, he/she must update his/her Wipro profile add the project details he worked.
- User should update efforts against TopGear projects in time sheet.

Assumptions

Users joining this program have knowledge/understanding of HTML,CSS and JavaScript related programming.

Project Submission Guidelines

- Login <https://topgear.wipro.com>
- Go to UI Development → Javascript → Training Tab
- Join Digital-Javascript Assignments-2 project.
- Practice on assignment as per project specification.
- Once complete the project work, submit/check-in the same as instructed to TopGear GitLab.
- User can refer following document to understand execution and submission procedure of TopGear training and case study projects

https://topgear-app.wipro.com/sites/default/files/steps_to_execute_topgear_training_case_study_projects_v-1-2-1.pdf

References

<https://developer.mozilla.org/en-US/docs/Web/JavaScript>

<https://www.youtube.com/watch?v=yQaAGmHNn9s&list=PLA0580F01689ED379>