# Tech Weeks

# Day 8 Task Sheet

**Instructions**

1. The task sheet contains the necessary resources and the assignment for the day.
2. You are given **24hrs.** to submit the assignment on the Google Classroom.
3. You must upload the **.html files** and the **screenshots of the final output on browser** you have developed, on the Google Classroom.
4. These files are to be uploaded in .zip
5. You must implement the assignment in such a way that all the requirements specified are met.
6. Read the assignment problem statement thoroughly and then start implementing it.

## Learning:

1. Object - <https://youtu.be/4uVwGw317QM>
2. JSON - <https://youtu.be/iiADhChRriM>
3. Events - <https://youtu.be/mlxi1WUSO_8>
4. Event Listeners - <https://youtu.be/jqU3uaRgQyQ>
5. classes part 1 - [https://youtu.be/wik23D\_gyCo](https://meet.google.com/linkredirect?authuser=0&dest=https%3A%2F%2Fyoutu.be%2Fwik23D_gyCo)
6. classes part 2 - [https://youtu.be/y4wDanUBNmE](https://meet.google.com/linkredirect?authuser=0&dest=https%3A%2F%2Fyoutu.be%2Fy4wDanUBNmE)

## Assignment:

# Write a program to take marks as input from the user and grade him accordingly. Use Conditional statements.

# Also, the same code using switch or ternary

# input: 50

# Output: Marks are 50 and grade is B.

# Write a program which does the following things:

# 1. Takes a positive number from the user.

# 2. Makes an array of numbers till the number given by user

# 3. Use higher order function to filter the odd numbers

# 4. Generate and array of the cubes of the filtered numbers

# Write a program that will iterate over an array of colors and change the background of the page after 5 seconds.