![A screenshot of a cell phone

Description automatically generated]()

<!doctype html>

<html>

<head>

<!---

CIS213 Unit 5, Graded Exersice 1

Author: Jacob Ryan

Date: 1/20/2020

--->

<meta charset="utf-8" />

<meta name="viewport" content="width=device-width, initial-scale=1.0, maximum-scale=1.0, user-scalable=0">

<title> Unit 5 Graded Exersice 1</title>

</head>

<body>

<header>

<h1>Welcome to Jacob's web page</h1>

</header>

<p id="time"></p>

</body>

<script>

var dateObject = new Date();

//creates an array to store the names of the day 'Sunday' = 0, 'Monday' = 1, ... 'Saturday' = 6

var dayValue = ["Sunday", "Monday", "Tuesday", "Wednesday", "Thursday", "Friday", "Saturday"];

var dateValue = dateObject.getDate();

//creates an array to store the names of the month 'January' = 0, 'Febuary' = 1, ...'December' = 11

var monthValue = ["January", "Febuary", "March", "April", "May", "June", "July", "August", "September", "October", "November", "December"]

var yearValue = dateObject.getFullYear();

var hourValue = dateObject.getHours();

//creates an array to store the minute values to always be showing as double digits, '1:0' = '1:00', '1:1' = '1:01', '1:2' = '1:02', ...'1:9' = '1:09', '1:10' = '1:10'

var minuteValue = ["00", "01", "02", "03", "04", "05", "06", "07", "08", "09",

"10", "11", "12", "13", "14", "15", "16", "17", "18", "19",

"20", "21", "22", "23", "24", "25", "26", "27", "28", "29",

"30", "31", "32", "33", "34", "35", "36", "37", "38", "39",

"40", "41", "42", "43", "44", "45", "46", "47", "48", "49",

"50", "51", "52", "53", "54", "55", "56", "57", "58", "59",];

var localTime = dateObject.toLocaleTimeString();

var currentTime = document.getElementById("time");

//document.getElementById("time").innerHTML will also work

if (hourValue > 17) //since hourValue gets the time in a 24-hour format 17:00 = 5:00PM

{

hourValue -= 12;

currentTime.innerHTML = "Good Evening! It's is " + hourValue + ":" + minuteValue[dateObject.getMinutes()] + " PM on "

+ dayValue[dateObject.getDay()] + ", " + monthValue[dateObject.getMonth()] + " " + dateValue + ", " + yearValue;

}

else if (hourValue > 12) //13:00 = 1:00 PM

{

hourValue -= 12;

currentTime.innerHTML = "Good Afternoon! It's is " + hourValue + ":" + minuteValue[dateObject.getMinutes()] + " PM on "

+ dayValue[dateObject.getDay()] + ", " + monthValue[dateObject.getMonth()] + " " + dateValue + ", " + yearValue;

}

else if (hourValue >= 0) //0:00 = 12:00 AM

{

if (hourValue == 0)

{

hourValue += 12; //adds 12 to the hourValue so the time will way 12:61 instead of 0:61

currentTime.innerHTML = "Good Morning! It's is " + hourValue + ":" + minuteValue[dateObject.getMinutes()] + " AM on "

+ dayValue[dateObject.getDay()] + ", " + monthValue[dateObject.getMonth()] + " " + dateValue + ", " + yearValue;

}

else

{

//doesn't add 12 so the hourValue will display the correct time value

currentTime.innerHTML = "Good Morning! It's is " + hourValue + ":" + minuteValue[dateObject.getMinutes()] + " AM on "

+ dayValue[dateObject.getDay()] + ", " + monthValue[dateObject.getMonth()] + " " + dateValue + ", " + yearValue;

}

}

</script>

</html>