






## Project: Alarm – JavaScript

### Step 01:

- Create Folder called Alarm.
- Create index.html, style.css and script.js in the Alarm Folder.
- Put one Picture and ringtone Audio in the Alarm Folder

Name	Date modified	Type	Size
 index.html	2/13/2024 2:12 PM	Chrome HTML Do...	1 KB
 MJ.jpg	3/29/2022 2:04 PM	JPG File	41 KB
 ringtone.mp3	2/13/2024 1:34 PM	MP3 File	6,779 KB
 script.js	2/13/2024 2:13 PM	JSFile	3 KB
 style.css	2/13/2024 2:18 PM	CSS Source File	2 KB

**Step 02:**

- Copy this code and paste Index.html

```
<!DOCTYPE html>
<html lang="en" dir="ltr">
  <head>
    <meta charset="utf-8">
    <title>Alarm Clock</title>
    <link rel="stylesheet" href="style.css">
    <meta name="viewport" content="width=device-width, initial-scale=1.0">
  </head>
  <body>
    <div class="wrapper">
      
      <h1>00:00:00 PM</h1>
      <div class="content">
        <div class="column">
          <select>
            <option value="Hour" selected disabled hidden>Saacad</option>
          </select>
        </div>
        <div class="column">
          <select>
            <option value="Minute" selected disabled hidden>Daqiqad</option>
          </select>
        </div>
        <div class="column">
          <select>
            <option value="AM/PM" selected disabled hidden>AM/PM</option>
          </select>
        </div>
      </div>
      <button>Alarm</button>
    </div>

    <script src="script.js"></script>

  </body>
</html>
```

**Step 03:**

- Copy this code and paste style.css

```
/* Import Google font - Poppins */
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@400;500;600&display=sw
ap');
*{
  margin: 0;
  padding: 0;
  box-sizing: border-box;
  font-family: 'Poppins', sans-serif;
}
body, .wrapper, .content{
  display: flex;
  align-items: center;
  justify-content: center;
}
body{
  padding: 0 10px;
  min-height: 100vh;
  background: greenyellow;
}
.wrapper{
  width: 440px;
  padding: 30px 30px 38px;
  background: #fff;
  border-radius: 10px;
  flex-direction: column;
  box-shadow: 0 10px 25px rgba(0,0,0,0.1);
}
.wrapper img{
  max-width: 103px;
}
.wrapper h1{
  font-size: 38px;
  font-weight: 500;
  margin: 30px 0;
}
.wrapper .content{
  width: 100%;
  justify-content: space-between;
}
```

```
.content.disable{
  cursor: no-drop;
}
.content .column{
  padding: 0 10px;
  border-radius: 5px;
  border: 1px solid #bfbfbf;
  width: calc(100% / 3 - 5px);
}
.content.disable .column{
  opacity: 0.6;
  pointer-events: none;
}
.column select{
  width: 100%;
  height: 53px;
  border: none;
  outline: none;
  background: none;
  font-size: 19px;
}
.wrapper button{
  width: 100%;
  border: none;
  outline: none;
  color: #fff;
  cursor: pointer;
  font-size: 20px;
  padding: 17px 0;
  margin-top: 20px;
  border-radius: 5px;
  background: #4A98F7;
}
```

**Step 04:**

- Copy this code and paste script.js

```
const currentTime = document.querySelector("h1"),
content = document.querySelector(".content"),
selectMenu = document.querySelectorAll("select"),
setAlarmBtn = document.querySelector("button");

let alarmTime, isAlarmSet,
ringtone = new Audio("ringtone.mp3");

for (let i = 12; i > 0; i--) {
  i = i < 10 ? `0${i}` : i;
  let option = `<option value="${i}">${i}</option>`;
  selectMenu[0].firstElementChild.insertAdjacentHTML("afterend", option);
}

for (let i = 59; i >= 0; i--) {
  i = i < 10 ? `0${i}` : i;
  let option = `<option value="${i}">${i}</option>`;
  selectMenu[1].firstElementChild.insertAdjacentHTML("afterend", option);
}

for (let i = 2; i > 0; i--) {
  let ampm = i == 1 ? "AM" : "PM";
  let option = `<option value="${ampm}">${ampm}</option>`;
  selectMenu[2].firstElementChild.insertAdjacentHTML("afterend", option);
}

setInterval(() => {
  let date = new Date(),
  h = date.getHours(),
  m = date.getMinutes(),
  s = date.getSeconds(),
  ampm = "AM";
  if(h >= 12) {
    h = h - 12;
    ampm = "PM";
  }
  h = h == 0 ? h = 12 : h;
  h = h < 10 ? "0" + h : h;
  m = m < 10 ? "0" + m : m;
  s = s < 10 ? "0" + s : s;
```

```
currentTime.innerText = `${h}:${m}:${s} ${ampm}`;

if (alarmTime === `${h}:${m} ${ampm}`) {
  ringtone.play();
  ringtone.loop = true;
}
});

function setAlarm() {
  if (isAlarmSet) {
    alarmTime = "";
    ringtone.pause();
    content.classList.remove("disable");
    setAlarmBtn.innerText = "Set Alarm";
    return isAlarmSet = false;
  }

  let time = `${selectMenu[0].value}:${selectMenu[1].value}
${selectMenu[2].value}`;
  if (time.includes("Hour") || time.includes("Minute") ||
time.includes("AM/PM")) {
    return alert("Please, select a valid time to set Alarm!");
  }
  alarmTime = time;
  isAlarmSet = true;
  content.classList.add("disable");
  setAlarmBtn.innerText = "Clear Alarm";
}

setAlarmBtn.addEventListener("click", setAlarm);
```