

Homework - Basic

Javascript

Basic Javascript

<https://github.com/saefulmuminin/oopjavascript>

1. head

```
<head>
  <meta charset="UTF-8" />
  <meta name="viewport" content="width=device-width, initial-scale=1.0" />
  <title>Pendaftaran</title>
  <!-- Tautan Bootstrap CSS -->
  <link
    href="https://cdn.jsdelivr.net/npm/bootstrap@5.1.3/dist/css/bootstrap.min.css"
    rel="stylesheet"
    integrity="sha384-1BmE4kWBq78iYhFldvKuhfTAU6auU8tT94WrHftjDbrCEXSU1oBoqyl2QvZ6jIW3"
    crossorigin="anonymous"
  />
  <!-- Tautan Font Awesome untuk ikon -->
  <link
    href="https://cdn.jsdelivr.net/npm/@fortawesome/fontawesome-free@6.0.0-beta3/css/fontawesome.min.css"
  />
</head>
```

2. menampilkan list

```
<ul class="nav nav-tabs" id="myTabs">
  <li class="nav-item">
    <a
      class="nav-link active"
      id="registrasi-tab"
      data-toggle="tab"
      href="#registrasi"
      role="tab"
      aria-controls="registrasi"
      aria-selected="true"
      ><i class="fas fa-user-plus"></i>
    Registrasi</a>
  </li>
  <li class="nav-item">
    <a
      data-bs-toggle="collapse"
      data-bs-target="#collapseExample"
      aria-expanded="false"
      aria-controls="collapseExample"
      class="nav-link"
      id="list-pendaftar-tab"
      data-toggle="tab"
      href="#list-pendaftar"
      role="tab"
      aria-controls="list-pendaftar"
      aria-selected="false"
      ><i class="fas fa-list"></i> List Pendaftar</a>
  </li>
</ul>
```

3. tampilan form

```
<form id="registration-form">
  <div class="mb-3">
    <label for="nama" class="form-label">Nama</label>
    <input
      type="text"
      class="form-control"
      id="nama"
      name="nama"
      required
      minlength="10"
    />
  </div>
  <div class="mb-3">
    <label for="umur" class="form-label">Umur</label>
    <input
      type="number"
      class="form-control"
      id="umur"
      name="umur"
      required
      min="25"
    />
  </div>
  <div class="mb-3">
    <label for="uang-saku" class="form-label">Uang
Saku</label> <input
      type="number"
      class="form-control"
      id="uang-saku"
      name="uang-saku"
      required
      min="100000"
      max="1000000"
    />
  </div>
  <button type="submit" class="btn btn-primary">
    <i class="fas fa-check"></i> Submit
  </button>
</form>
```

4. tampilan list pendaftar

```
<table class="table table-bordered mt-5 text-center">
  <thead>
    <tr>
      <th>Nama</th>
      <th>Umur</th>
      <th>Uang Saku</th>
    </tr>
  </thead>
  <tbody id="tabel-list-pendaftar" class="fw-bold">
</tbody> </table>
```

5. javasrip

```

class Pendaftar {
  constructor(nama, umur, uangSaku) {
    this.nama = nama;
    this.umur = umur;
    this.uangSaku = uangSaku;
  }
}

class Pendaftaran {
  constructor() {
    this.pendaftar = [];
  }

  tambahPendaftar(nama, umur, uangSaku) {
    this.pendaftar.push(new Pendaftar(nama, umur, uangSaku));
  }

  hitungRataRata() {
    if (this.pendaftar.length === 0) {
      return { rataUangSaku: 0, rataUmur: 0 };
    }

    const totalUmur = this.pendaftar.reduce((sum, p) => sum + p.umur, 0);
    const totalUangSaku = this.pendaftar.reduce((sum, p) => sum + p.uangSaku, 0);
    const rataUangSaku = totalUangSaku / this.pendaftar.length;
    const rataUmur = totalUmur / this.pendaftar.length;

    return { rataUangSaku, rataUmur };
  }
}

const pendaftaran = new Pendaftaran();

document.getElementById('registration-form').addEventListener('submit', function (event) {
  event.preventDefault();

  const nama = document.getElementById('nama').value;
  const umurInput = document.getElementById('umur').value;
  const uangSakuInput = document.getElementById('uang-saku').value;

  // Validasi input umur
  if (!umurInput.match(/^\d+$/)) || umurInput < 25 {
    alert('Umur tidak valid. Silakan periksa kembali.');
```