Micro Project (Practical 22) : Develop an E-commerce website

Index.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
user-scalable=no">
    <title>Page Replacement Algorithm Vizualizer</title>

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet">

    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"></
script>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min
.js"></script>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.3.0/font/bootstrap-icons.css" rel="stylesheet">

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>

    <link rel="stylesheet" href="style.css">
</head>
<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-primary fixed-top">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">Programmer's Academy</a>
            <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
```

```html
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav me-auto mb-2 mb-lg-0">
              <li class="nav-item">
                <a class="nav-link active" aria-current="page"
href="#">Home</a>
              </li>
                <li class="nav-item">
                  <a class="nav-link" href="online-services.htm">Online
Services</a>
              </li>
                <li class="nav-item">
                    <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Downloads</a>
              </li>
                <li class="nav-item">
                    <a class="nav-link" href="contact-us.htm">Contact Us</a>
              </li>
              </ul>
              <form class="d-flex">
                <input class="form-control me-2" type="search"
placeholder="Search Services" aria-label="Search">
                <button class="btn btn-outline-light"
type="submit">Search</button>
              </form>
              <button class="btn btn-outline-warning" style="margin-left: 10%;"
type="submit">Login/Signup</button>
          </div>
        </div>
    </nav>
    <br><br>
    <div id="background" class="container-fluid p-0" style="width: 100%;
height: 90vh;">
        <h1 class="text-center text-light">Programmer's Academy</h1>
        <h3 class="text-center text-light">The One Stop Destination To Learn
Programming</h3>
    </div>
    <br><br>
    <div class="container border border-3 border-primary p-4" style="border-
radius: 50px;">
        <h1 class="text-center text-primary">Our Courses</h1>
        <br>
        <div class="container-fluid d-flex" style="gap: 10%;">
            <div class="card" style="width: 18rem;">
                <h1 class="text-center"><img
src="https://raw.githubusercontent.com/isocpp/logos/master/cpp_logo.png"
class="card-img-top" alt="..." style="width: 40%;"></h1>
```

```html
                    <div class="card-body">
                        <h5 class="card-title">OOP With C++</h5>
                        <p class="card-text">Take a quick into core c++
fundamentals You will also learn advanced C++ programming.</p>
                    </div>
                </div>
                <div class="card" style="width: 18rem;">
                    <h1 class="text-center"><img
src="https://upload.wikimedia.org/wikipedia/commons/thumb/c/c3/Python-logo-
notext.svg/115px-Python-logo-notext.svg.png?20220821155029" class="card-img-
top" alt="..." style="width: 40%;"></h1>
                    <div class="card-body">
                        <h5 class="card-title">Python Programming</h5>
                        <p class="card-text">Learn the most powerful programming
language. Learn automation using Python</p>
                    </div>
                </div>
                <div class="card" style="width: 18rem;">
                    <h1 class="text-center"><img
src="https://upload.wikimedia.org/wikipedia/commons/d/dd/Linux_logo.jpg?200909
08114920" class="card-img-top" alt="..." style="width: 40%;"></h1>
                    <div class="card-body">
                        <h5 class="card-title">Linux Fundamentals</h5>
                        <p class="card-text">The the Linux shell commands. Also
you will learn bash programming</p>
                    </div>
                </div>
            </div>
            <br>
            <div class="container-fluid d-flex" style="gap: 10%;">
                <div class="card" style="width: 18rem;">
                    <h1 class="text-center"><img src="https://cdn-icons-
png.flaticon.com/512/226/226777.png" class="card-img-top" alt="..."
style="width: 40%;"></h1>
                    <div class="card-body">
                        <h5 class="card-title">Java Programming</h5>
                        <p class="card-text">Develop Graphical User Interfaces
using Java. Use its Swift library for this purpose</p>
                    </div>
                </div>
                <div class="card" style="width: 18rem;">
                    <h1 class="text-center"><img
src="https://media.istockphoto.com/id/1286927886/vector/hacker-
detected.jpg?s=612x612&w=0&k=20&c=2wT89GSmUelgcU5TYev6qKvU_wEe80_SfeKEvsIBRDo=
" class="card-img-top" alt="..." style="width: 40%;"></h1>
                    <div class="card-body">
                        <h5 class="card-title">Ethical Hacking</h5>
```

```html
                    <p class="card-text">Learn tools like Nmap, Netcat,
Metasploit and much. Complete all the 5 phases of Hacking</p>
                </div>
            </div>
            <div class="card" style="width: 18rem;">
                <h1 class="text-center"><img src="https://cdn.icon-
icons.com/icons2/2235/PNG/512/android_os_logo_icon_134673.png" class="card-
img-top" alt="..." style="width: 40%;"></h1>
                <div class="card-body">
                    <h5 class="card-title">Android Development</h5>
                    <p class="card-text">Learn to make Android apps using
Kotlin. You will learn to use Android Studio all features</p>
                </div>
            </div>
        </div>
    </div>
    <br><br>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-bottom"
style="margin-top: 10%;">
        <h6 style="width: 100%;" class="text-center text-light">&copy;
Copyright Forever : Programmer's Academy &trade;</h6>
    </nav>
</body>
<style>
    #background::before {
        content: "";
        background-image: url('bg.jpg');
        background-size: cover;
        position: absolute;
        top: 0px;
        right: 0px;
        bottom: 0px;
        left: 0px;
        opacity: 0.85;
    }
    #background > h1{
        position: relative;
        top: 40%;
        left: auto;
        font-size: 400%;
        font-weight: 800;
    }
    #background > h3{
        position: relative;
        top: 40%;
        left: auto;
        font-size: 250%;
        font-weight: bolder;
```

```
        color: rgb(185, 185, 185) !important;
    }
    .card:hover{
        transform: scale(1.1);
        transition: all 0.3s linear;
    }
    .card{
        transform: scale(1);
        transition: all 0.3s linear;
    }
</style>
<script src="script.js"></script>
</html>
```

Online-services.html

```
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
user-scalable=no">
    <title>Page Replacement Algorithm Vizualizer</title>

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet">

    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"></
script>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min
.js"></script>

    <link href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.3.0/font/bootstrap-icons.css" rel="stylesheet">

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>

    <link rel="stylesheet" href="style.css">
</head>
```

```html
<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-primary fixed-top">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">Programmer's Academy</a>
            <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
                <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav me-auto mb-2 mb-lg-0">
              <li class="nav-item">
                <a class="nav-link" aria-current="page"
href="index.htm">Home</a>
              </li>
              <li class="nav-item">
                <a class="nav-link active" href="#">Online Services</a>
              </li>
              <li class="nav-item">
                    <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Downloads</a>
              </li>
              <li class="nav-item">
                    <a class="nav-link" href="contact-us.htm">Contact Us</a>
              </li>
              </ul>
              <form class="d-flex">
                <input class="form-control me-2" type="search"
placeholder="Search Services" aria-label="Search">
                    <button class="btn btn-outline-light"
type="submit">Search</button>
              </form>
              <button class="btn btn-outline-warning" style="margin-left: 10%;"
type="submit">Login/Signup</button>
          </div>
        </div>
    </nav>
    <br><br>
    <div id="navigation" class="container d-flex align-items-center justify-
content-center" style="gap: 45%;">
        <nav style="--bs-breadcrumb-divider:
url(&#34;data:image/svg+xml,%3Csvg xmlns='http://www.w3.org/2000/svg'
width='8' height='8'%3E%3Cpath d='M2.5 0L1 1.5 3.5 4 1 6.5 2.5 8l4-4-4-4z'
fill='%236c757d'/%3E%3C/svg%3E&#34;);" aria-label="breadcrumb" class="m-4">
            <ol class="breadcrumb">
                <li class="breadcrumb-item"><a href="#">Home</a></li>
```

```html
            <li class="breadcrumb-item"><a href="#">Operating
System</a></li>
            <li class="breadcrumb-item"><a href="#">Online
Solvers</a></li>
            <li class="breadcrumb-item active" aria-current="page">Page
Replacement</li>
          </ol>
        </nav>
      <button type="button" class="btn btn-primary position-relative">
        Alerts
        <span class="position-absolute top-0 start-100 translate-middle p-
2 bg-danger border border-light rounded-circle">
          <span class="visually-hidden">New alerts</span>
        </span>
      </button>
    </div>

    <div id="header" class="container d-flex align-items-center justify-
content-center gap-5 m-auto my-4">
      <img src="gpa.png" style="width: 10%;" alt="GPA Logo">
      <h1 class="text-center font-weight-bold text-primary">Page
Recplacement Algorithm<br>Solver & Vizualizer</h1>
      <img src="gtu.png" style="width: 13%;" alt="GPA Logo">
    </div>
    <br><br>
    <div id="alerts" class="container"></div>
    <div class="container border border-3 border-primary p-3" style="border-
radius: 50px;">
      <h2 class="text-info text-center">
        <i class="bi bi-keyboard-fill"></i>
         Enter The Following Values 
        <i class="bi bi-keyboard-fill"></i>
      </h2>
      <br>
      <div class="container">
        <div class="input-group mb-3">
          <div class="input-group-prepend">
            <span class="input-group-text" id="basic-addon1">Reference
String</span>
          </div>
          <input id="reference-string" type="text" class="form-control"
placeholder="Example : 0 1 2 3 ..." aria-label="Username" aria-
describedby="basic-addon1">
        </div>

        <div class="input-group mb-3">
          <div class="input-group-append">
```

```html
                    <span class="input-group-text" id="basic-addon2">Frame
Size</span>
                </div>
                <input id="frame-size" type="number" min="1" class="form-
control" placeholder="Example : 3" aria-label="Recipient's username" aria-
describedby="basic-addon2">
            </div>

            <div class="input-group">
                <div class="input-group-append">
                    <span class="input-group-text" id="basic-addon2">Solving
Algorithm</span>
                </div>
                <select class="form-select" id="inputGroupSelect04" aria-
label="Select Job Position">
                    <option selected="">Select Algorithm</option>
                    <option value="1">FIFO</option>
                    <option value="2">LRU</option>
                </select>
            </div>
        </div>
        <br>
        <p id="solve-btn" class="text-center"><button class="btn btn-outline-
info" style="font-size: 1.2rem;">
            Solve
        </button></p>
    </div>
    <br><br>
    <div id="solution" class="container border border-3 border-primary p-3"
style="border-radius: 50px;">
        <h2 class="text-center text-info">
            Solution
        </h2>
        <div id="frames" class="container d-flex p-3"></div>
        <h3 class="text-center text-info">
            Total number of page faults are : <span id="answer" class="text-
success"></span>
        </h3>
    </div>
    <br><br>
    <div id="developers" class="container border border-primary border-3 p-3"
style="border-radius: 50px;">
        <h2 class="text-center text-info">
            -: 
            <i class="bi bi-code-square"></i>
             Developers 
            <i class="bi bi-code-square"></i>
             :-
```

```html
        </h2>
        <br>
        <h3 class="text-center text-primary">Chelaramani Pratham K. <span
class="text-dark">-</span><span class="text-secondary">
216170307006</span></h3>
        <h3 class="text-center text-primary">Prakhar N. Parikh <span
class="text-dark">-</span><span class="text-secondary">
216170307037</span></h3>
        <h3 class="text-center text-primary">Nagwadiya Tarun Pravinbhai <span
class="text-dark">-</span><span class="text-secondary">
206170307221</span></h3>
    </div>
    <br><br>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-bottom">
        <h6 style="width: 100%;" class="text-center text-light">&copy;
Copyright Forever : Programmer's Academy &trade;</h6>
    </nav>
</body>
<script src="script.js"></script>
</html>
```

Contact-us.html

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <meta charset="UTF-8">
    <meta http-equiv="X-UA-Compatible" content="IE=edge">
    <meta name="viewport" content="width=device-width, initial-scale=1.0,
user-scalable=no">
    <title>Page Replacement Algorithm Vizualizer</title>

    <link
href="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/css/bootstrap.min.css"
rel="stylesheet">

    <script
src="https://cdn.jsdelivr.net/npm/@popperjs/core@2.9.2/dist/umd/popper.min.js"
></script>
    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.min.js"></
script>

    <script
src="https://cdn.jsdelivr.net/npm/bootstrap@5.0.2/dist/js/bootstrap.bundle.min
.js"></script>
```

```html
    <link href="https://cdn.jsdelivr.net/npm/bootstrap-
icons@1.3.0/font/bootstrap-icons.css" rel="stylesheet">

    <script src="https://code.jquery.com/jquery-3.5.1.min.js"></script>

    <link rel="stylesheet" href="style.css">
</head>
<body>
    <nav class="navbar navbar-expand-lg navbar-dark bg-primary fixed-top">
        <div class="container-fluid">
            <a class="navbar-brand" href="#">Programmer's Academy</a>
            <button class="navbar-toggler" type="button" data-bs-
toggle="collapse" data-bs-target="#navbarSupportedContent" aria-
controls="navbarSupportedContent" aria-expanded="false" aria-label="Toggle
navigation">
            <span class="navbar-toggler-icon"></span>
        </button>
        <div class="collapse navbar-collapse" id="navbarSupportedContent">
            <ul class="navbar-nav me-auto mb-2 mb-lg-0">
              <li class="nav-item">
                <a class="nav-link" aria-current="page"
href="index.htm">Home</a>
              </li>
              <li class="nav-item">
                <a class="nav-link" href="online-services.htm">Online
Services</a>
              </li>
              <li class="nav-item">
                  <a class="nav-link disabled" href="#" tabindex="-1" aria-
disabled="true">Downloads</a>
              </li>
              <li class="nav-item">
                  <a class="nav-link active" href="#">Contact Us</a>
              </li>
              </ul>
              <form class="d-flex">
                <input class="form-control me-2" type="search"
placeholder="Search Services" aria-label="Search">
                <button class="btn btn-outline-light"
type="submit">Search</button>
              </form>
              <button class="btn btn-outline-warning" style="margin-left: 10%;"
type="submit">Login/Signup</button>
          </div>
        </div>
    </nav>
    <br><br><br><br>
    <h1 class="text-center text-primary">Get In Touch With Us!</h1>
```

```html
<div class="container border border-3 border-primary p-4" style="border-radius: 50px;">
    <div class="input-group mb-3">
        <span class="input-group-text" id="basic-addon1">Name</span>
        <input type="text" class="form-control" placeholder="First Middle Last" aria-label="Username" aria-describedby="basic-addon1">
    </div>
    <div class="input-group mb-3">
        <span class="input-group-text" id="basic-addon1">Contact No</span>
        <input type="text" class="form-control" placeholder="+x xxxxx xxxxx" aria-label="Username" aria-describedby="basic-addon1">
    </div>
    <div class="input-group mb-3">
        <span class="input-group-text" id="basic-addon1">Email</span>
        <input type="text" class="form-control" placeholder="email" aria-label="Username">
        <span class="input-group-text">@</span>
        <input type="text" class="form-control" placeholder="domain" aria-label="Server">
        <span class="input-group-text">.com</span>
    </div>
    <div class="input-group mb-3">
        <span class="input-group-text" id="basic-addon1">Social Media Link</span>
        <input type="url" class="form-control" placeholder="https://name.platform.com" aria-label="Username" aria-describedby="basic-addon1">
    </div>
    <div class="input-group mb-3">
        <span class="input-group-text" id="basic-addon1">Contact No</span>
        <input type="text" class="form-control" placeholder="+x xxxxx xxxxx" aria-label="Username" aria-describedby="basic-addon1">
    </div>
    <div class="input-group">
        <select class="form-select" id="inputGroupSelect04" aria-label="Select Job Position">
            <option selected="">Select Course</option>
            <option value="1">C++</option>
            <option value="2">Java</option>
            <option value="3">Linux</option>
            <option value="3">Python</option>
            <option value="3">Ethical Hacking</option>
            <option value="3">Android Development</option>
        </select>
        <button class="btn btn-outline-primary" type="button">Check Availibility</button>
    </div>
    <br>
```

```html
        <div class="input-group">
            <span class="input-group-text">Comments</span>
            <textarea class="form-control" aria-label="With
textarea"></textarea>
        </div>
    </div>
    <br><br>
    <nav class="navbar navbar-expand-lg navbar-dark bg-dark fixed-bottom"
style="margin-top: 10%;">
        <h6 style="width: 100%;" class="text-center text-light">&copy;
Copyright Forever : Programmer's Academy &trade;</h6>
    </nav>
</body>
<script src="script.js"></script>
</html>
```

Script.js

```javascript
$("#solution").hide();

$("#solve-btn").click(function () {
    document.getElementById("frames").innerHTML = " ";
    let reference_string = $("#reference-string").val();
    let frame_size = $("#frame-size").val();
    frame_size = parseInt(frame_size);
    let algorithm =
$("#inputGroupSelect04").children("option:selected").val();

    if (algorithm == "Select Algorithm") {
        $("#alerts").append('<div class="alert alert-danger alert-dismissible
fade show" role="alert">\
        <strong>Error!</strong> Please select an algorithm to continue.\
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-
label="Close"></button>\
      </div>');
    }
    else if(algorithm == "1"){
        fifo(reference_string, frame_size);
        $("#alerts").append('<div class="alert alert-success alert-dismissible
fade show" role="alert">\
        <strong>Success!</strong> Please see the solution below.\
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-
label="Close"></button>\
      </div>');
    }
    else if(algorithm == "2"){
        lru(reference_string, frame_size);
```

```javascript
        $("#alerts").append('<div class="alert alert-success alert-dismissible
fade show" role="alert">\
        <strong>Error!</strong> Please see the solution below.\
        <button type="button" class="btn-close" data-bs-dismiss="alert" aria-
label="Close"></button>\
      </div>');
    }
});

function fifo(reference_string, frame_size){
    document.getElementById("frames").innerHTML = "";
    var frame_red = '<div class="frame-container">\
    <div id="page-no" class="frame">ref</div>' + '<div
class="frame">val</div>'.repeat(frame_size) + '<div id="fault"
class="frame">PF</div>\
    </div>';

    var frame_green = '<div class="frame-container">\
    <div id="page-no" class="frame-green">ref</div>' + '<div class="frame-
green">val</div>'.repeat(frame_size) + '<div id="fault" class="frame-
green">PF</div>\
    </div>';

    let references = reference_string.split(" ");
    let frame = [];
    let pointer = 0;
    let page_faults = 0;

    for(let i = 0; i < references.length; i++){
        references[i] = parseInt(references[i]);
    }

    for(let i = 0; i < references.length; i++){
        if(frame.includes(references[i])){
            let new_frame = frame_green;
            for(let j = 0; j < frame.length; j++){
                new_frame = new_frame.replace("val", frame[j])
            }
            new_frame = new_frame.replace(/val/g, " ")
            new_frame = new_frame.replace("ref", references[i])
            new_frame = new_frame.replace("PF", "-")
            $("#frames").append(new_frame);
            continue;
        }
        else if(frame.length != frame_size){
            frame.push(references[i]);
            page_faults += 1;
        }
```

```javascript
            else{
                frame[pointer] = references[i];
                page_faults += 1;
                if(pointer != frame_size-1){
                    pointer += 1;
                }
                else{
                    pointer = 0;
                }
            }
        let new_frame = frame_red;
            for(let j = 0; j < frame.length; j++){
                new_frame = new_frame.replace("val", frame[j])
            }
            new_frame = new_frame.replace(/val/g, " ")
            new_frame = new_frame.replace("ref", references[i])
            $("#frames").append(new_frame);
    }
    $("#answer").text(page_faults);
    $("#solution").show();
}

function lru(reference_string, frame_size){
    document.getElementById("frames").innerHTML = "";
    var frame_red = '<div class="frame-container">\
    <div id="page-no" class="frame">ref</div>' + '<div
class="frame">val</div>'.repeat(frame_size) + '<div id="fault"
class="frame">PF</div>\
    </div>';

    var frame_green = '<div class="frame-container">\
    <div id="page-no" class="frame-green">ref</div>' + '<div class="frame-
green">val</div>'.repeat(frame_size) + '<div id="fault" class="frame-
green">PF</div>\
    </div>';

    let references = reference_string.split(" ");
    let frame = [];
    let queue = [];
    let page_faults = 0;

    for(let i = 0; i < references.length; i++){
        references[i] = parseInt(references[i]);
    }

    for(let i = 0; i < references.length; i++){
        if(frame.includes(references[i])){
            if(queue.includes(references[i])){
```

```javascript
                let index = queue.indexOf(references[i]);
                if(index > -1){
                    queue.splice(index, 1);
                }
            }
            queue.push(references[i]);
            let new_frame = frame_green;
            for(let j = 0; j < frame.length; j++){
                new_frame = new_frame.replace("val", frame[j])
            }
            new_frame = new_frame.replace(/val/g, " ")
            new_frame = new_frame.replace("ref", references[i])
            new_frame = new_frame.replace("PF", "-")
            $("#frames").append(new_frame);
            continue;
        }
        else if(frame.length != frame_size){
            queue.push(references[i]);
            frame.push(references[i]);
            page_faults += 1;
        }
        else{
            let element = queue.shift();
            console.log("element : ", element)
            let index = frame.indexOf(element);
            queue.push(references[i]);
            frame[index] = references[i];
            page_faults += 1;
        }
        console.log("queue : ", queue);
        console.log("frame : ", frame);
        let new_frame = frame_red;
            for(let j = 0; j < frame.length; j++){
                new_frame = new_frame.replace("val", frame[j])
            }
            new_frame = new_frame.replace(/val/g, " ")
            new_frame = new_frame.replace("ref", references[i])
            $("#frames").append(new_frame);
    }
    $("#answer").text(page_faults);
    $("#solution").show();
}
```

Search Services | Search

Programmer's Academy
The One Stop Destination To Learn Programming

Our Courses

OOP With C++
Take a quick into core c++ fundamentals You will also learn advanced C++ programming.

Python Programming
Learn the most powerful programming language. Learn automation using Python

Linux Fundamentals
The the Linux shell commands. Also you will learn bash programming

Java Programming
Develop Graphical User Interfaces using Java. Use its Swift library for this purpose

Ethical Hacking
Learn tools like Nmap, Netcat, Metasploit and much. Complete all the 5 phases of Hacking

Android Development
Learn to make Android apps using Kotlin. You will learn to use Android Studio all features

Alerts

Page Recplacement Algorithm Solver & Vizualizer

Success! Please see the solution below.   ×

⌨ Enter The Following Values ⌨

Reference String	1 2 3 4 5
Frame Size	3

© Copyright Forever : Programmer's Academy ™

[Solve]

Solution

1	2	3	4	5
1	1	1	4	4
	2	2	2	5
		3	3	3
PF	PF	PF	PF	PF

Total number of page faults are : 5

-: ⟨⟩ Developers ⟨⟩ :-

Chelaramani Pratham K. - 216170307006
Prakhar N. Parikh - 216170307037
Nagwadiya Tarun Pravinbhai - 206170307221

Search Services   Search   Login/Signup

Get In Touch With Us!

| Name | First Middle Last |

| Contact No | +x xxxxx xxxxx |

| Email | email | @ | domain | .com |

| Social Media Link | https://name.platform.com |

| Contact No | +x xxxxx xxxxx |

| Select Course | ⌄ | Check Availibility |

| Comments | |