

# **PROJECT REPORT**

## **on**

# **Advance Quiz Website**

**Submitted by**

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## **Declaration**

I hereby declare that the work which is being presented in the Minor Project Report “**Advance Quiz website**”, in partial fulfillment of the requirements for Project is an authentic record of my own work carried under the supervision of **Ms. Ruchi Talwar, Assistant Professor, GLA University, Mathura.**

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This is to certify that the above statements made by the candidate are correct to the best of my/our knowledge and belief.

---

**Project Supervisor**

Ms. Ruchi Talwar

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## **CHAPTER-1**

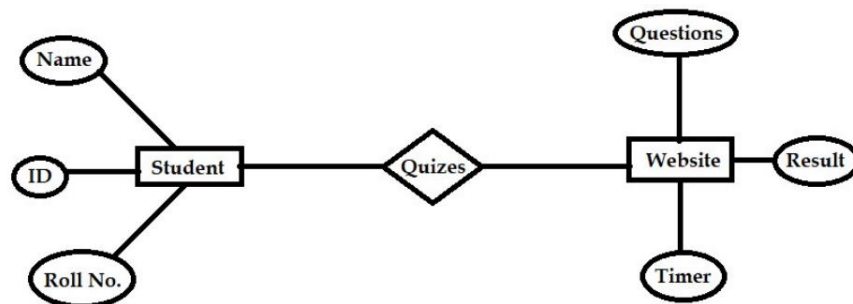
### **INTRODUCTION**

The project Advance quiz Website is a collection of number of different types of quizzes like technical ,games, sports etc. A user can access or play all of the quiz and can attempt any of the one. There will be limited number of questions and for each correct answer user will get a credit score. User can see answer as well as can ask query related to it. There are many quiz websites available currently on internet but there are few which provide better understanding between user and the website like providing proper answer ,user query solving, uploading user questions as well as answer to it. To develop a user friendly quiz website which will contain : number of quizzes , answer to every question, query solving regarding any question, uploading of user question and answer and to improve the knowledge level of users. To develop a website which will contain solution to the above problems. By this website the user will come to know about their level and can

learn additional knowledge. Also buy this website a user can expand his/her knowledge among the world.

## CHAPTER-2

### ER DIAGRAM



## CHAPTER-3

### **SOFTWARE AND HARDWARE REQUIREMENTS**

- Platform : VS Code
- RAM 512GB
- Processor Speed : 2.4 GHz
- Processor : Intel dual core(64bit)
- HTML , CSS , JavaScript

## CHAPTER-4

### IMPLEMENTATION

#### **Index.html**

```
<!DOCTYPE html>
<html lang="en">
<head>
  <meta charset="UTF-8">
  <meta name="viewport" content="width=device-width, initial-
scale=1.0">
```

```
<title>QuizMasters</title>
```

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

```
<!-- FontAweome CDN Link for Icons Correct and Incorrect -->  
<link rel="stylesheet"  
href="https://cdnjs.cloudflare.com/ajax/libs/font-  
awesome/5.15.3/css/all.min.css"/>
```

```
</head>  
<body>
```

```
<!-- start Quiz button -->  
<div class="start_btn"><button>Welcome <br> Start Your Assessment  
</button></div>
```



```

<!-- Info Box -->
<div class="info_box">
    <div class="info-title"><span>Important Instructions :</span></div>
    <div class="info-list">
        <div class="info">1. You will have only <span>15 seconds</span>
per each question.</div>
        <div class="info">2. Once you select your answer, it can't be
undone.</div>
        <div class="info">3. You can't select any option once time goes
off.</div>
        <div class="info">4. You can't exit from the Quiz while you're
playing.</div>
        <div class="info">5. You'll get points on the basis of your
correct answers.</div>
        <div class="info">All The Best For Your Result.</div>
    </div>
    <div class="buttons">
        <button class="quit">Quit</button>
        <button class="restart">Continue>></button>
    </div>
</div>

```

```

<!-- Quiz Box -->
<div class="quiz_box">
    <header>
        <div class="title">Advance Quiz Website</div>
        <div class="timer">
            <div class="time_left_txt">Time Left</div>
            <div class="timer_sec">15</div>
        </div>
        <div class="time_line"></div>
    </header>
    <section>
        <div class="que_text">
            <!-- Here I've inserted question from JavaScript -->
        </div>
        <div class="option_list">
            <!-- Here I've inserted options from JavaScript -->
        </div>
    </section>

```

```

    <!-- footer of Quiz Box -->
    <footer>
        <div class="total_que">
            <!-- Here I've inserted Question Count Number from
JavaScript -->
        </div>
        <button class="next_btn">Next>></button>
    </footer>
</div>

```

```

<!-- Result Box -->
<div class="result_box">
    <div class="icon">
        <i class="fas fa-crown"></i>
    </div>
    <div class="complete_text">Thanks to be here !!</div>
    <div class="score_text">
        <!-- Here I've inserted Score Result from JavaScript -->
    </div>
    <div class="buttons">
        <button class="restart">Restart</button>
        <button class="quit">End</button>
    </div>
</div>

```

```

<!-- Inside this JavaScript file I've inserted Questions and Options
only -->

```

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

</body>
</html>
```

## Style.css

```
@import
url('https://fonts.googleapis.com/css2?family=Poppins:wght@200;300;400;
500;600;700&display=swap');
*{
    margin: 0;
    padding: 0;
    box-sizing: border-box;
    font-family: 'Poppins', sans-serif;
}

body{
    background: #23903c;
}

::selection{
    color: #fff;
    background: #23903c;
}

.start_btn,.info_box,.quiz_box,.result_box{
    position: absolute;
    top: 50%;
    left: 50%;
    transform: translate(-50%, -50%);
    box-shadow: 0 4px 8px 0 rgba(0, 0, 0, 0.2),
    0 6px 20px 0 rgba(0, 0, 0, 0.19);
}

.info_box.activeInfo,.quiz_box.activeQuiz,.result_box.activeResult{
    opacity: 1;
    z-index: 5;
    pointer-events: auto;
    transform: translate(-50%, -50%) scale(1);
}
```

```
.start_btn button{
    font-size: 25px;
    font-weight: 500;
    color: #23903c;
    padding: 15px 30px;
    outline: none;
    border: none;
    border-radius: 5px;
    background: #fff;
    cursor: pointer;
}

.info_box{
    width: 540px;
    background: #fff;
    border-radius: 5px;
    transform: translate(-50%, -50%) scale(0.9);
    opacity: 0;
    pointer-events: none;
    transition: all 0.3s ease;
}

.info_box .info-title{
    height: 60px;
    width: 100%;
    border-bottom: 1px solid lightgrey;
    display: flex;
    align-items: center;
    padding: 0 30px;
    border-radius: 5px 5px 0 0;
    font-size: 20px;
    font-weight: 600;
}

.info_box .info-list{
    padding: 15px 30px;
}

.info_box .info-list .info{
    margin: 5px 0;
    font-size: 17px;
}

.info_box .info-list .info span{
    font-weight: 600;
    color: #a42834;
}

.info_box .buttons{
    height: 60px;
    display: flex;
```

```

        align-items: center;
        justify-content: flex-end;
        padding: 0 30px;
        border-top: 1px solid lightgrey;
    }

    .info_box .buttons button{
        margin: 0 5px;
        height: 40px;
        width: 100px;
        font-size: 16px;
        font-weight: 500;
        cursor: pointer;
        border: none;
        outline: none;
        border-radius: 5px;
        border: 1px solid #007bff;
        transition: all 0.3s ease;
    }

    .quiz_box{
        width: 550px;
        background: #fff;
        border-radius: 5px;
        transform: translate(-50%, -50%) scale(0.9);
        opacity: 0;
        pointer-events: none;
        transition: all 0.3s ease;
    }

    .quiz_box header{
        position: relative;
        z-index: 2;
        height: 70px;
        padding: 0 30px;
        background: #fff;
        border-radius: 5px 5px 0 0;
        display: flex;
        align-items: center;
        justify-content: space-between;
        box-shadow: 0px 3px 5px 1px rgba(0,0,0,0.1);
    }

    .quiz_box header .title{
        font-size: 20px;
        font-weight: 600;
    }

    .quiz_box header .timer{
        color: #004085;

```

```

        background: #cce5ff;
        border: 1px solid #b8daff;
        height: 45px;
        padding: 0 8px;
        border-radius: 5px;
        display: flex;
        align-items: center;
        justify-content: space-between;
        width: 145px;
    }

.quiz_box header .timer .time_left_txt{
    font-weight: 400;
    font-size: 17px;
    user-select: none;
}

.quiz_box header .timer .timer_sec{
    font-size: 18px;
    font-weight: 500;
    height: 30px;
    width: 45px;
    color: #fff;
    border-radius: 5px;
    line-height: 30px;
    text-align: center;
    background: #343a40;
    border: 1px solid #343a40;
    user-select: none;
}

.quiz_box header .time_line{
    position: absolute;
    bottom: 0px;
    left: 0px;
    height: 3px;
    background: red;
}

section{
    padding: 25px 30px 20px 30px;
    background: #fff;
}

section .que_text{
    font-size: 25px;
    font-weight: 600;
}

section .option_list{

```

```
padding: 20px 0px;
display: block;
}

section .option_list .option{
background: aliceblue;
border: 1px solid #84c5fe;
border-radius: 5px;
padding: 8px 15px;
font-size: 17px;
margin-bottom: 15px;
cursor: pointer;
transition: all 0.3s ease;
display: flex;
align-items: center;
justify-content: space-between;
}

section .option_list .option:last-child{
margin-bottom: 0px;
}

section .option_list .option:hover{
color: #004085;
background: #cce5ff;
border: 1px solid #b8daff;
}

section .option_list .option.correct{
color: #155724;
background: #d4edda;
border: 1px solid #c3e6cb;
}

section .option_list .option.incorrect{
color: #721c24;
background: #f8d7da;
border: 1px solid #f5c6cb;
}

section .option_list .option.disabled{
pointer-events: none;
}

section .option_list .option .icon{
height: 26px;
width: 26px;
border: 2px solid transparent;
border-radius: 50%;
text-align: center;
```

```

    font-size: 13px;
    pointer-events: none;
    transition: all 0.3s ease;
    line-height: 24px;
}
.option_list .option .icon.tick{
    color: #23903c;
    border-color: #23903c;
    background: #d4edda;
}

.option_list .option .icon.cross{
    color: #a42834;
    background: #f8d7da;
    border-color: #a42834;
}

footer{
    height: 60px;
    padding: 0 30px;
    display: flex;
    align-items: center;
    justify-content: space-between;
    border-top: 1px solid lightgrey;
}

footer .total_que span{
    display: flex;
    user-select: none;
}

footer .total_que span p{
    font-weight: 500;
    padding: 0 5px;
}

footer .total_que span p:first-child{
    padding-left: 0px;
}

footer button{
    height: 40px;
    padding: 0 13px;
    font-size: 18px;
    font-weight: 400;
    cursor: pointer;
    border: none;
    outline: none;
    color: #fff;
    border-radius: 5px;
}

```



```

    background: #23903c;
    border: 1px solid #007bff;
    line-height: 10px;
    opacity: 0;
    pointer-events: none;
    transform: scale(0.95);
    transition: all 0.3s ease;
}

footer button:hover{
    background: #0263ca;
}

footer button.show{
    opacity: 1;
    pointer-events: auto;
    transform: scale(1);
}

.result_box{
    background: #fff;
    border-radius: 5px;
    display: flex;
    padding: 25px 30px;
    width: 450px;
    align-items: center;
    flex-direction: column;
    justify-content: center;
    transform: translate(-50%, -50%) scale(0.9);
    opacity: 0;
    pointer-events: none;
    transition: all 0.3s ease;
}

.result_box .icon{
    font-size: 100px;
    color: #23903c;
    margin-bottom: 10px;
}

.result_box .complete_text{
    font-size: 20px;
    font-weight: 500;
}

.result_box .score_text span{
    display: flex;
    margin: 10px 0;
    font-size: 18px;
    font-weight: 500;

```

```
}

.result_box .score_text span p{
    padding: 0 4px;
    font-weight: 600;
}

.result_box .buttons{
    display: flex;
    margin: 20px 0;
}

.result_box .buttons button{
    margin: 0 10px;
    height: 45px;
    padding: 0 20px;
    font-size: 18px;
    font-weight: 500;
    cursor: pointer;
    border: none;
    outline: none;
    border-radius: 5px;
    border: 1px solid #007bff;
    transition: all 0.3s ease;
}

.buttons button.restart{
    color: #fff;
    background: #23903c;
}

.buttons button.restart:hover{
    background: #007bff;
}

.buttons button.quit{
    color: #23903c;
    background: #fff;
}

.buttons button.quit:hover{
    color: #fff;
    background: #23903c;
}
```

```

// .....JavaScript.....

const start_btn = document.querySelector(".start_btn button");
const info_box = document.querySelector(".info_box");
const exit_btn = info_box.querySelector(".buttons .quit");
const continue_btn = info_box.querySelector(".buttons .restart");
const quiz_box = document.querySelector(".quiz_box");
const result_box = document.querySelector(".result_box");
const option_list = document.querySelector(".option_list");

const time_line = document.querySelector("header .time_line");
const timeText = document.querySelector(".timer .time_left_txt");
const timeCount = document.querySelector(".timer .timer_sec");

//On Clicking startQuiz button
start_btn.onclick = ()=>{
    info_box.classList.add("activeInfo"); //show info box
}

//On Clicking exitQuiz button
exit_btn.onclick = ()=>{
    info_box.classList.remove("activeInfo"); //hide info box
}

// On Clicking continueQuiz button
continue_btn.onclick = ()=>{
    info_box.classList.remove("activeInfo"); //hide info box
    quiz_box.classList.add("activeQuiz"); //show quiz box
    showQuestions(0); //calling showQuestions function
    queCounter(1); //passing 1 parameter to queCounter
    startTimer(15); //calling startTimer function
    startTimerLine(0); //calling startTimerLine function
}

```

```

let timeValue = 15;
let que_count = 0;
let que_numb = 1;
let userScore = 0;
let counter;
let counterLine;
let widthValue = 0;

const restart_quiz = result_box.querySelector(".buttons .restart");
const quit_quiz = result_box.querySelector(".buttons .quit");

// if restartQuiz button clicked
restart_quiz.onclick = ()=>{
    quiz_box.classList.add("activeQuiz"); //show quiz box
    result_box.classList.remove("activeResult"); //hide result box
    timeValue = 15;
    que_count = 0;
    que_numb = 1;
    userScore = 0;
    widthValue = 0;
    showQuestions(que_count); //calling showQuestions function
    queCounter(que_numb); //passing que_numb value to queCounter
    clearInterval(counter); //clear counter
    clearInterval(counterLine); //clear counterLine
    startTimer(timeValue); //calling startTimer function
    startTimerLine(widthValue); //calling startTimerLine function
    timeText.textContent = "Time Left"; //change the text of timeText
    to Time Left
    next_btn.classList.remove("show"); //hide the next button
}

// if quitQuiz button clicked
quit_quiz.onclick = ()=>{
    window.location.reload(); //reload the current window
}

```

```

const next_btn = document.querySelector("footer .next_btn");
const bottom_ques_counter = document.querySelector("footer
.total_que");

// if Next Que button clicked
next_btn.onclick = ()=>{
    if(que_count < questions.length - 1){ //if question count is less
than total question length
        que_count++; //increment the que_count value
        que_numb++; //increment the que_numb value
        showQuetions(que_count); //calling showQuestions function
        queCounter(que_numb); //passing que_numb value to queCounter
        clearInterval(counter); //clear counter
        clearInterval(counterLine); //clear counterLine
        startTimer(timeValue); //calling startTimer function
        startTimerLine(widthValue); //calling startTimerLine function
        timeText.textContent = "Time Left"; //change the timeText to
Time Left
        next_btn.classList.remove("show"); //hide the next button
    }else{
        clearInterval(counter); //clear counter
        clearInterval(counterLine); //clear counterLine
        showResult(); //calling showResult function
    }
}

// getting questions and options from array
function showQuetions(index){
    const que_text = document.querySelector(".que_text");

    //creating a new span and div tag for question and option and
passing the value using array index
    let que_tag = '<span>' + questions[index].numb + ". " +
questions[index].question + '</span>';
    let option_tag = '<div class="option"><span>' +
questions[index].options[0] + '</span></div>'
        + '<div class="option"><span>' + questions[index].options[1]
+ '</span></div>'
        + '<div class="option"><span>' + questions[index].options[2]
+ '</span></div>'
        + '<div class="option"><span>' + questions[index].options[3]
+ '</span></div>';
    que_text.innerHTML = que_tag; //adding new span tag inside que_tag

```

```

    option_list.innerHTML = option_tag; //adding new div tag inside
    option_tag

    const option = option_list.querySelectorAll(".option");

    // set onclick attribute to all available options
    for(i=0; i < option.length; i++){
        option[i].setAttribute("onclick", "optionSelected(this)");
    }
}

// creating the new div tags which for icons
let tickIconTag = '<div class="icon tick"><i class="fas fa-check"></i></div>';
let crossIconTag = '<div class="icon cross"><i class="fas fa-times"></i></div>';

//if user clicked on option
function optionSelected(answer){
    clearInterval(counter); //clear counter
    clearInterval(counterLine); //clear counterLine
    let userAns = answer.textContent; //getting user selected option
    let correcAns = questions[que_count].answer; //getting correct
    answer from array
    const allOptions = option_list.children.length; //getting all
    option items

    if(userAns == correcAns){ //if user selected option is equal to
    array's correct answer
        userScore += 1; //upgrading score value with 1
        answer.classList.add("correct"); //adding green color to
        correct selected option
        answer.insertAdjacentHTML("beforeend", tickIconTag); //adding
        tick icon to correct selected option
        console.log("Correct Answer");
        console.log("Your correct answers = " + userScore);
    }else{
        answer.classList.add("incorrect"); //adding red color to
        correct selected option
        answer.insertAdjacentHTML("beforeend", crossIconTag); //adding
        cross icon to correct selected option
        console.log("Wrong Answer");

        for(i=0; i < allOptions; i++){

```

```

        if(option_list.children[i].textContent == correcAns){ //if
there is an option which is matched to an array answer
            option_list.children[i].setAttribute("class", "option
correct"); //adding green color to matched option
            option_list.children[i].insertAdjacentHTML("beforeend",
tickIconTag); //adding tick icon to matched option
            console.log("Auto selected correct answer.");
        }
    }
}
for(i=0; i < allOptions; i++){
    option_list.children[i].classList.add("disabled"); //once user
select an option then disabled all options
}
next_btn.classList.add("show"); //show the next button if user
selected any option
}

```

```

function showResult(){
    info_box.classList.remove("activeInfo"); //hide info box
    quiz_box.classList.remove("activeQuiz"); //hide quiz box
    result_box.classList.add("activeResult"); //show result box
    const scoreText = result_box.querySelector(".score_text");
    if (userScore > 3){ // if user scored more than 3
        //creating a new span tag and passing the user score number and
total question number
        let scoreTag = '<span>and congrats! , You got <p>'+ userScore
+'</p> out of <p>'+ questions.length +'</p></span>';
        scoreText.innerHTML = scoreTag; //adding new span tag inside
score_Text
    }
    else if(userScore > 1){ // if user scored more than 1
        let scoreTag = '<span>and nice , You got <p>'+ userScore +'</p>
out of <p>'+ questions.length +'</p></span>';
        scoreText.innerHTML = scoreTag;
    }
    else{ // if user scored less than 1
        let scoreTag = '<span>and sorry , You got only <p>'+ userScore
+'</p> out of <p>'+ questions.length +'</p></span>';
        scoreText.innerHTML = scoreTag;
    }
}
}

```

```

function startTimer(time){
    counter = setInterval(timer, 1000);
    function timer(){
        timeCount.textContent = time; //changing the value of timeCount
with time value
        time--; //decrement the time value
        if(time < 9){ //if timer is less than 9
            let addZero = timeCount.textContent;
            timeCount.textContent = "0" + addZero; //add a 0 before
time value
        }
        if(time < 0){ //if timer is less than 0
            clearInterval(counter); //clear counter
            timeText.textContent = "Time Off"; //change the time text
to time off
            const allOptions = option_list.children.length; //getting
all option items
            let correcAns = questions[que_count].answer; //getting
correct answer from array
            for(i=0; i < allOptions; i++){
                if(option_list.children[i].textContent == correcAns){
//if there is an option which is matched to an array answer
                    option_list.children[i].setAttribute("class",
"option correct"); //adding green color to matched option

                    option_list.children[i].insertAdjacentHTML("beforeend", tickIconTag);
//adding tick icon to matched option
                    console.log("Time Off: Auto selected correct
answer.");
                }
            }
            for(i=0; i < allOptions; i++){
                option_list.children[i].classList.add("disabled");
//once user select an option then disabled all options
            }
            next_btn.classList.add("show"); //show the next button if
user selected any option
        }
    }
}

```

```

function startTimerLine(time){
    counterLine = setInterval(timer, 29);
    function timer(){
        time += 1; //upgrading time value with 1
        time_line.style.width = time + "px"; //increasing width of
time_line with px by time value
    }
}

```



```

        if(time > 549){ //if time value is greater than 549
            clearInterval(counterLine); //clear counterLine
        }
    }
}

```

```

function queCounter(index){
    //creating a new span tag and passing the question number and total
    question
    let totalQueCounTag = '<span><p>'+ index +'</p> of <p>'+
    questions.length +'</p> Questions</span>';
    bottom_ques_counter.innerHTML = totalQueCounTag; //adding new span
    tag inside bottom_ques_counter
}

```

// creating an array and passing the number, questions, options, and answers

```

let questions = [
    {
        numb: 1,
        question: "Most important work of teacher is ",
        answer: "To organize teaching work",
        options: [
            "To organize teaching work",
            "To deliver lecture in class",
            "To take care of children",
            "To evaluate the students"
        ]
    },
    {
        numb: 2,
        question: "A teacher should be",
        answer: "Dutiful",
        options: [
            "Honest",
            "Diligent",
            "Dutiful",
            "Punctual"
        ]
    },
    {
        numb: 3,

```

```

        question: "Environmental education should be taught in schools
because",
        answer: "It is important part of life",
        options: [
            "It will affect environmental pollution",
            "It is important part of life",
            "It will provide job to teachers",
            "We cannot escape from environment"
        ]
    },
    {
        numb: 4,
        question: "At primary level, it is better to teach in mother
language because",
        answer: "It helps children in learning in natural atmosphere",
        options: [
            "It develops self-confidence in children",
            "It makes learning easy",
            "It is helpful in intellectual development",
            "It helps children in learning in natural atmosphere"
        ]
    },
    {
        numb: 5,
        question: "Women are better teacher at primary level because",
        answer: "They behave more patiently with children",
        options: [
            "They behave more patiently with children",
            "They are ready to work with low salary",
            "Higher qualification is not needed in this profession",
            "They have less chances in other profession"
        ]
    },
    {
        numb: 6,
        question: "You have been selected in all the four professions
given below. Where would you like to go?",
        answer: "Teacher",
        options: [
            "Teacher",
            "Police",
            "Army",
            "Bank"
        ]
    },
    {
        numb: 7,
        question: "What is most important while writing on
blackboard?",

```

```

        answer: "Good writing",
        options: [
            "Good writing",
            "Clarity in writing",
            "Writing in big letters",
            "Writing in small letters"
        ]
    },
    {
        numb: 8,
        question: "Some students send a greeting card to you on
teacher's day. What will you do? You will",
        answer: "Say thanks to them",
        options: [
            "Do nothing",
            "Say thanks to them",
            "Ask them to not to waste money",
            "Reciprocate the good wishes to them"
        ]
    },
    {
        numb: 9,
        question: "A student comes late in your class. Then you will",
        answer: "Try to know the reason",
        options: [
            "Inform to parents",
            "Punish him",
            "Try to know the reason",
            "Not pay attention there"
        ]
    },
    {
        numb: 10,
        question: "When the students become failed, it can be
understood that",
        answer: "The individual student's failure",
        options: [
            "The system has failed",
            "The teachers failure",
            "The text-books failure",
            "The individual student's failure"
        ]
    },
];

```

## **CHAPTER-5**

### **CONCLUSION**

The purpose of this project to develop a front-end website which can help users to measure their skill and knowledge. Here we use only basic front end technologies HTML, CSS, JavaScript to develop a very easy and user friendly interface. Quiz is one of the most common eLearning patterns for many of the online course. Some companies and schools use online quizzes as a means to educate their employees or students respectively.

### **REFERENCES**

- CodingNepal
- ExamVeda
- Wikipedia