Fixed Deposit Calculator

Please follow below steps to integrate Fixed Deposit Calculator In your website

Step 1: Add Plugins:

- JQuery: Download JQuery Plugin from the following link-
  (https://www.cdnpkg.com/datepick/file/jquery.plugin.min.js/)
- Bootstrap: Download JQuery Plugin from the following link-
  (https://getbootstrap.com/docs/4.6/getting-started/download/)

Step 2: Create a HTML Page for Fixed Deposit Calculator:

- FDcalculator.html:

```
<!DOCTYPE html>

<html>

<head>

<link rel="stylesheet" href="../Plugin/bootstrap/css/bootstrap.min.css" />

<link rel="stylesheet" href="../CSS/FDcalculator.css">

<script src="https://code.jquery.com/jquery-3.6.0.min.js"

integrity="sha256-/xUj+3OJU5yEx1q6GSYGSHk7tPXikynS7ogEvDej/m4="
crossorigin="anonymous"></script>

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

</head>

<body>

<div class="mt-3 calculator">

<h4 class="mb-2">Fixed Deposit Calculator</h4>

</div>

<div class="container col-8 div">

<button class="btn btn-primary m-2" onclick="location.href =
'./index.html'"> Homepage </button>
```

```html
<form class="" id="form" action="">

<div class="container">

<div class=" my-2">

  <div class="d-flex justify-content-between">

  <label> Deposit Amount </label>

    <input type="text" class="form-control disabled w-auto"
id="depositeAmount" readonly  value="1,000" />

    <input type="hidden" id="hddepositeAmount" value="1000">

  </div>

  <input id="depositeAmountSlider" class="slider" type="range" name="range"
step="500" min="1000" max="100000" value="1000">

  <datalist id="depositeAmountSlider">

  <option value="1,000" label="1,000"></option>

  <option value="50" label="50,000"></option>

  <option value="100" label="1,00,000"></option>

  </datalist>

</div>

<div class=" my-2">

  <div class="d-flex justify-content-between">

  <label>Interest rate in %</label>

  <input type="text" class="form-control disabled w-auto" id="roi" readonly
value="1%" />

  <input type="hidden" id="hdroi" value="1">

</div>

  <input id="roiSlider" class="slider" type="range" name="range" step="0.5"
min="1" max="15" value="1">

  <datalist id="roiSlider">

  <option value="1" label="1%"></option>

  <option value="5" label="10%"></option>
```

```html
      <option value="10" label="15%"></option>

    </datalist>

  </div>

  <div class=" my-2">

    <div class="d-flex justify-content-between">

      <div>

<label for="tenure">Tenure</label>

<select name="tenure" class="" id="tenure" >

<option value=365 class="dropdown-item">Days</option>

<option value=12 class="dropdown-item">Monthly</option>

<option value=1 class="dropdown-item">Yearly</option>

</select>

</div>

<input type="text" class="form-control disabled w-auto" id="tenureValue"
readonly value="1" />

</div>

<input id="tenureSlider" type="range" name="range" step="1" min="1"
max="100" value="1"

onchange="rangePrimary2.value=value">

<datalist id="tenureSlider">

<option value="1" label="1"></option>

<option value="50" label="50"></option>

<option value="100" label="100"></option>

</datalist>

</div>

<div class="my-2">

<label>Type of fixed deposit</label>

<div >
```

```html
<label class="radio-inline" style="margin-right: 10px;">

<input class="fix-deposit-radio flex-column form-check-input " type="radio" style="margin-right: 5px; " value=12 name="optradio" checked>

Monthly Payout

</label>

<label class="radio-inline" style="margin-right: 10px;">

<input class="fix-deposit-radio flex-column form-check-input" type="radio" value=4 style="margin-right: 5px; "

name="optradio">Quarterly Payout

</label>

<label class="radio-inline" style="margin-right: 10px;">

<input class="fix-deposit-radio flex-column form-check-input"  type="radio" value=6 style="margin-right: 5px; "

name="optradio">Half Yearly Payout

</label>

<label class="radio-inline" style="margin-right: 10px;">

<input type="radio" class="flex-column form-check-input" name="optradio" style="margin-right: 5px;">Reinvestment/Cumulative

</label>

</div>

</div>

<div class="calculate mt-4">

<button type="button" id="calculate-button" class="btn btn-primary">
Calculate </button>

</div>

<div class="total mt-4">

<p>Maturity Amount: <span id="maturity"></span></p>

<p>Total Intrest Earned: <span id="totIntrest"></span></p>

</div>
```

```
        </form>

        </div>

        </body>

        </html>
```

Step 3: Create a JavaScript file for Fixed Deposit Calculator:

a) FDcalculator.js

```javascript
$(function(){

  var fdr=1;

  var toYears=365;


  //To get type of fixed deposite
  $(".fix-deposit-radio").click(function(){

      fdr=$(this).val()

    })


  //To get Tensure type value from dropdown
    $("#tenure").change(function(){

      toYears=$(this).val()

    })


  //To get deposite amount and display in proper format
    $("#depositeAmountSlider").change(function(){

$("#depositeAmount").val(Number($("#depositeAmountSlider").val()).toL
ocaleString('en-IN'));


$("#hddepositeAmount").val(Number($("#depositeAmountSlider").val()));
```

```javascript
            });


    //To get Rate Of Interest value and display in proper format
    $("#roiSlider").change(function(){
        $("#roi").val($("#roiSlider").val()+'%');
        $("#hdroi").val($("#roiSlider").val());
    });


    //To get Tenure value
    $("#tenureSlider").change(function(){
        $("#tenureValue").val($("#tenureSlider").val());
    });


    //calculating Maturity Amount
    $("#calculate-button").click(function(){
        var depositAmount=$("#hddepositeAmount").val()
        var intrestRate= $("#hdroi").val()
        var tenure= $("#tenureValue").val()
        var fixedDeposit=fdr;
        var
maturityAmout=depositAmount*Math.pow(1+((intrestRate/100)/fixedDeposi
t),fixedDeposit*(tenure/toYears))
        maturityAmout = maturityAmout.toFixed(2);
        var totalIntrest=maturityAmout-depositAmount
        totalIntrest=totalIntrest.toFixed(2);
        console.log(maturityAmout);
        $("#maturity").html(maturityAmout)
        $("#totIntrest").html(totalIntrest)
```

```
    })

 })
```

Step 4: Create a JavaScript file for Fixed Deposit Calculator:

a) FDcalculator.css

```css
.div{

    border: 2px solid rgb(17, 171, 223);

    margin-left: 20px;

    margin: 0 auto;

}




.deposit-result{

    width: 30px;

    height: 15px;

}


h4{

    margin-left: 20px;

    margin: 0 auto;

    width:fit-content;

}
datalist {

    display: flex;

    justify-content: space-between;

    color: rgb(160, 160, 160);

    width: 50%;
```

```css
    }



.inputText{
    /* border: 1.5px solid #81CBF6; */
}
#depositeAmountSlider,#roiSlider,#tenureSlider{
    width: 100%;
}


.calculate button {
    display: block;
    margin-left: auto;
    margin-right: auto;
    color: white;


    }


p{
  margin-bottom: 0;
 }
.total {
    background-color: #0d6efd ;
    color: white;
    margin-left: auto;
    margin-right: auto;
    width: fit-content;
    padding: 5px 100px;
```

```
    margin-bottom: 20px;

}
```

Step 5: Results:

Resultant Page for fixedDepositCalculator:

127.0.0.1:5500/HTML/FDcalcula × +

← → C ⓘ 127.0.0.1:5500/HTML/FDcalculator.html

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Fixed Deposit Calculator

Homepage

Deposit Amount

17,000

1,000   50,000   1,00,000

Interest rate in %

5%

1%   10%   15%

Tenure Days

14

1   50   100

Type of fixed deposit

◉ Monthly Payout   ○ Quarterly Payout   ○ Half Yearly Payout   ○ Reinvestment/Cumulative

Calculate

Maturity Amount: 17031.84
Total Intrest Earned: 31.84