**PSG COLLEGE OF TECHNOLOGY, COIMBATORE – 641 004**

**Department of Applied Mathematics and Computational Sciences**

**MSc SOFTWARE SYSTEMS – Semester IV**

**20XW48 – Web Designing Lab**

**PROBLEM SHEET**

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**- 20pw35**

1. Write a HTML code to use <canvas> element to draw rectangle with different color models.

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| <html>  <body>  <canvas height="150" width="300" style="border:2px solid green;">  </canvas>  <canvas height="150" width="300" style= "border:2px dotted orange;" >  </canvas>  <br> <br>  <canvas height="150" width="300"style= "border:2px dashed red;" >  </canvas>  <canvas height="150" width="300" style= "border:2px inset blue;" >  </canvas>  </body>  </html> |
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1. Create a page to show the usage of <mark> element in highlighting the contents.

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| <html>  <head>  <style>  mark {  color:red;  background-color:yellow;  }  </style>  </head>  <body>  <p> Hello , I am Swetha and I am a <mark> Dancer </mark> </p>  </body>  </html> |
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1. Create a simple search form using a search input element in which the user can enter a search query. Using the Firefox web browser, test the form by entering January and submitting the form. Then enter a **J** in the input element to see previous entries that started with J—January should be displayed below the input element. Enter June and submit the form again. Now enter a **J** in the input element to see previous entries that started with J—January and June

Should be displayed below the input element. Try this with your own search queries as well.

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| <html>  <body align="center">  <h2> Search </h2>  <form action="/form/submit" >  <input type="text" name="text" class="search" placeholder="Search here!">  <input type="submit" class="submit" value="search">  </form>  </body>  </html> |
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1. Write a HTML file to implement various date picker controls and align the controls in the center of the page.

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| <html>  <body>  <form align= “center”>  <label> Select date </label>  <input type="date" >  <button>Submit</button>  <br>  <label> Select date (year from 2003-2021) </label>  <input type="date" min="2003-01-01" max="2021-12-31">  <button>Submit</button>  <br>  <label> Select date (DOMString) </label>  <input type="date" value="2003-03-13">  <button>Submit</button>  <br>  <label> Select date ( 7 days increment) </label>  <input type="date" min="2019-12-25" step="7">  </form>  </body>  </html> |
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1. Using <iframe> and split the page into multiple sections and set the sources. One of section in the page should restrict plugins and scripts.

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| <html>  <style>  .food{  display: flex;  height: 100%;  }  </style>  <body>  <div class = "food">  <iframe src="food1.html" width="50%" sandbox></iframe>  <iframe src="food2.html" width="50%"></iframe>  <div>  </body>  </html> |
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1. Design a web page to render different 2D Graphics objects (Circle, Rectangle, Line, Ellipse, Polygon, Polyline and Gradients).

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| <html>  <body align="center">  <svg width="100" height="100">  <circle cx="50" cy="50" r="40" stroke="green" stroke-width="4" fill="yellow"/>  </svg>  <svg width="400" height="110">  <rect width="300" height="100" style="fill:rgb(0,0,255);stroke-width:3;stroke:rgb(0,0,0)" />  </svg>  <br>  <svg height="140" width="500">  <ellipse cx="200" cy="80" rx="100" ry="50" style="fill:yellow;stroke:purple;stroke-width:2" />  </svg>  <svg height="210" width="500">  <line x1="0" y1="0" x2="200" y2="200" style="stroke:rgb(255,0,0);stroke-width:2" />  </svg>  <br>  <svg height="210" width="500">  <polygon points="200,10 250,190 160,210" style="fill:lime;stroke:purple;stroke-width:1" />  </svg>  <svg height="200" width="500">  <polyline points="20,20 40,25 60,40 80,120 120,140 200,180" style="fill:none;stroke:black;stroke-width:3" />  </svg>  <br>  <svg height="150" width="400">  <defs>  <linearGradient id="grad1" x1="0%" y1="0%" x2="100%" y2="0%">  <stop offset="0%" style="stop-color:rgb(255,255,0);stop-opacity:1" />  <stop offset="100%" style="stop-color:rgb(255,0,0);stop-opacity:1" />  </linearGradient>  </defs>  <ellipse cx="200" cy="70" rx="85" ry="55" fill="url(#grad1)" />  </svg>  <svg height="150" width="400">  <defs>  <linearGradient id="grad2" x1="0%" y1="0%" x2="0%" y2="100%">  <stop offset="0%" style="stop-color:rgb(255,0,0);stop-opacity:1" />  <stop offset="100%" style="stop-color:rgb(255,255,0);stop-opacity:1" />  </linearGradient>  </defs>  <ellipse cx="200" cy="70" rx="85" ry="55" fill="url(#grad2)" />  </svg>  </body>  </html> |
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1. Design a web page for audio album list to play different types audio files.

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| <html>  <body>  <audio controls>  <source src="Jik-Jin.mp3" type="audio/mpeg">  <source src="Red-Lights.mp3" type="audio/mpeg">  <source src="No more dream.mp3" type="audio/mpeg">  <source src="Mic drop.mp3" type="audio/mpeg">  <source src="Inception.mp3" type="audio/mpeg">  </audio>  </body>  </html> |
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