## **UID EXPERIMENT-11**

## i. html

```
<!DOCTYPE html>
<html lang="en">
<head>
 <meta charset="UTF-8">
 <meta name="viewport" content="width=device-</pre>
width, initial-scale=1.0">
 <title>Inventory Management
Visualization</title>
 <style>
  body {
   font-family: Arial, sans-serif;
   text-align: center;
   margin: 50px;
  canvas {
   margin: 20px auto;
 </style>
</head>
<body>
 <h1>Inventory Management System</h1>
 <canvas id="pieChart" width="400"</pre>
height="400"></canvas>
```

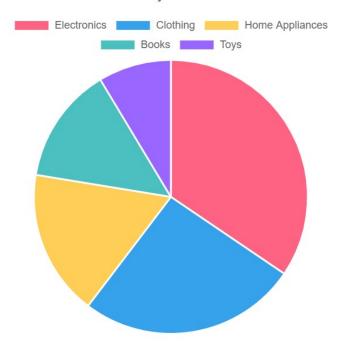
```
<canvas id="barChart" width="400"</pre>
height="400"></canvas>
 <!-- Chart.js Library -->
 <script
src="https://cdn.jsdelivr.net/npm/chart.js"></script</pre>
 <!-- Your Custom JavaScript -->
 <script src="script.js"></script>
</body>
</html>
ii. Script.js
    // script.js
// Data for the inventory
const inventoryData = {
 labels: ['Electronics', 'Clothing', 'Home
Appliances', 'Books', 'Toys'],
 datasets: [
    label: 'Items in Stock',
    data: [200, 150, 100, 80, 50],
   backgroundColor: [
     '#FF6384',
     '#36A2EB',
     '#FFCE56',
     '#4BC0C0',
```

```
'#9966FF'
// --- Create the Pie Chart ---
const ctxPie =
document.getElementById('pieChart').getContext('
2d');
const pieChart = new Chart(ctxPie, {
 type: 'pie',
 data: inventoryData,
 options: {
  responsive: true,
  plugins: {
   title: {
     display: true,
     text: 'Inventory Distribution'
// --- Create the Bar Chart ---
const ctxBar =
document.getElementById('barChart').getContext('
2d');
const barChart = new Chart(ctxBar, {
 type: 'bar',
```

```
data: inventoryData,
  options: {
    responsive: true,
    plugins: {
        title: {
            display: true,
            text: 'Items in Stock by Category'
        }
    },
    scales: {
        y: { // Note: in Chart.js v3+ it's 'y' instead of 'yAxes'
        beginAtZero: true
    }
    }
}
```

## **Inventory Management System**





## Items in Stock by Category

