

TIC TAC TOE

PROBLEM STATEMENT:-Our project name is Tic-Tac-Toe game. This game is very popular and is fairly simple by itself. It is actually a two player game. In this game, there is a board with $n \times n$ squares. In our game, it is 3×3 squares. The goal of Tic-Tac-Toe is to be one of the players to get three same symbols in a row – horizontally, vertically or diagonally – on a 3×3 grid.

TECHNOLOGIES USED:-HTML, CSS, JavaScript

CODE:-

```
<!DOCTYPE html>

<html>

<head>

    <title>Tic Tac Toe</title>

</head>

<body>

</body>

</html>
```

<style>

{

Margin:0;

Padding:0;

}

#head

{

Color:red;

Text-shadow:2px 2px 10px;

Padding-top:20px;

Padding-left:500px;

Font-size:70px;

}

.main

{

Position: absolute;

Left:35%;

Top:30%;

Box-shadow: 2px 2px 10px rgba(0, 0, 0.4, 0.9);

Border-radius: 8px;

Height:310px;

Width:385px;

Background-color: white;

}

Button

{

Height:94px;

Width:120px;

Font-size: 1.5em;

Text-align: center;

Margin:2px;

Border-radius: 50px;

}

Button:hover

{

Background-color:#e0e0e0;

}

```
#b10
{
    Border-radius: 20px;
    Height:30px;
    Width: 90px;
    Font-size: 1.2em;
    Position:absolute;
    Left:150px;
}
```

```
</style>
```

```
<script>
    Var a="X";
    Function change(btn)
    {
        Btn.innerHTML=a;
        If(a=="X")
        {
            A="O";
```

```
}
```

```
Else
```

```
{
```

```
    A="X";
```

```
}
```

```
    Compare();
```

```
}
```

```
Function clr()
```

```
{
```

```
    Var
```

```
x=document.getElementsByTagName("button");
```

```
    For(i=0;i<x.length;i++)
```

```
{
```

```
        X[i].innerHTML=" ";
```

```
}
```

```
}
```

```
Function compare()
```

```
{
```

Var b1,b2,b3,b4,b5,b6,b7,b8,b9;

B1=document.getElementById("b1").innerHTML;

B2=document.getElementById("b2").innerHTML;

B3=document.getElementById("b3").innerHTML;

B4=document.getElementById("b4").innerHTML;

B5=document.getElementById("b5").innerHTML;

B6=document.getElementById("b6").innerHTML;

B7=document.getElementById("b7").innerHTML;

B8=document.getElementById("b8").innerHTML;

B9=document.getElementById("b9").innerHTML;

**if((b1==b2 && b1==b3) && (b1=="X" ||
b1=="O"))
{**

Alert("Win "+b1);

Document.getElementById("b1").style="background-color:red";

Document.getElementById("b2").style="background-color:red";

Document.getElementById("b3").style="background-color:red";

}

If((b4==b5 && b4==b6) && (b4=="X" || b4=="O"))

{

Alert("Win "+b4);

Document.getElementById("b4").style="background-color:red";

Document.getElementById("b5").style="background-color:red";

```
Document.getElementById("b6").style="background-color:red";
```

```
}
```

```
If((b7==b8 && b7==b9) && (b7=="X" ||  
b7=="O"))
```

```
{
```

```
Alert("Win "+b7);
```

```
Document.getElementById("b7").style="background-color:red";
```

```
Document.getElementById("b8").style="background-color:red";
```

```
Document.getElementById("b9").style="background-color:red";
```

```
}
```

```
If((b1==b4 && b1==b7) && (b1=="X" ||  
b1=="O"))
```

```
{
```

```
Alert("Win "+b1);
```



```
Document.getElementById("b1").style="background-color:red";
```

```
Document.getElementById("b4").style="background-color:red";
```

```
Document.getElementById("b7").style="background-color:red";
```

```
}
```

```
if((b2==b5 && b2==b8) && (b2=="X" || b2=="O"))
```

```
{
```

```
Alert("Win "+b2);
```

```
Document.getElementById("b2").style="background-color:red";
```

```
Document.getElementById("b5").style="background-color:red";
```

```
Document.getElementById("b8").style="background-color:red";
```

```
}
```

```
if((b3==b6 && b3==b9) && (b3=="X" || b3=="O"))  
{
```

```
    Alert("Win "+b3);
```

```
    Document.getElementById("b3").style="background-  
color:red";
```

```
    Document.getElementById("b6").style="background-  
color:red";
```

```
    Document.getElementById("b9").style="background-  
color:red";
```

```
}
```

```
if((b1==b5 && b1==b9) && (b1=="X" || b1=="O"))  
{
```

```
    Alert("Win "+b1);
```

```
    Document.getElementById("b1").style="background-  
color:red";
```

```
    Document.getElementById("b5").style="background-  
color:red";
```

```
Document.getElementById("b9").style="background-  
color:red";  
}  
If((b3==b5 && b3==b7) && (b3=="X" || b3=="O"))  
{  
    Alert("Win "+b3);
```

```
Document.getElementById("b3").style="background-  
color:red";
```

```
Document.getElementById("b5").style="background-  
color:red";
```

```
Document.getElementById("b7").style="background-  
color:red";  
}  
}
```

```
</script>
```

```
<body style="background-  
image:url(bgblack.jpg);background-size:100%">
```

```
<h1 id="head">Tic Tac Toe</h1><hr>
```

```
<div class="main">
```

```
<table>
```

```
<tr>
```

```
<td><button id="b1"  
onclick="change(this)"></button>
```

```
<td><button id="b2"  
onclick="change(this)"></button>
```

```
<td><button id="b3"  
onclick="change(this)"></button>
```

```
</tr>
```

```
<tr>
```

```
<td><button id="b4"  
onclick="change(this)"></button>
```

```
<td><button id="b5"  
onclick="change(this)"></button>
```

```
<td><button id="b6"  
onclick="change(this)"></button>
```

</tr>

<tr>

<td><button id="b7"
onclick="change(this)"></button>

<td><button id="b8"
onclick="change(this)"></button>

<td><button id="b9"
onclick="change(this)"></button>

</tr>

</table>

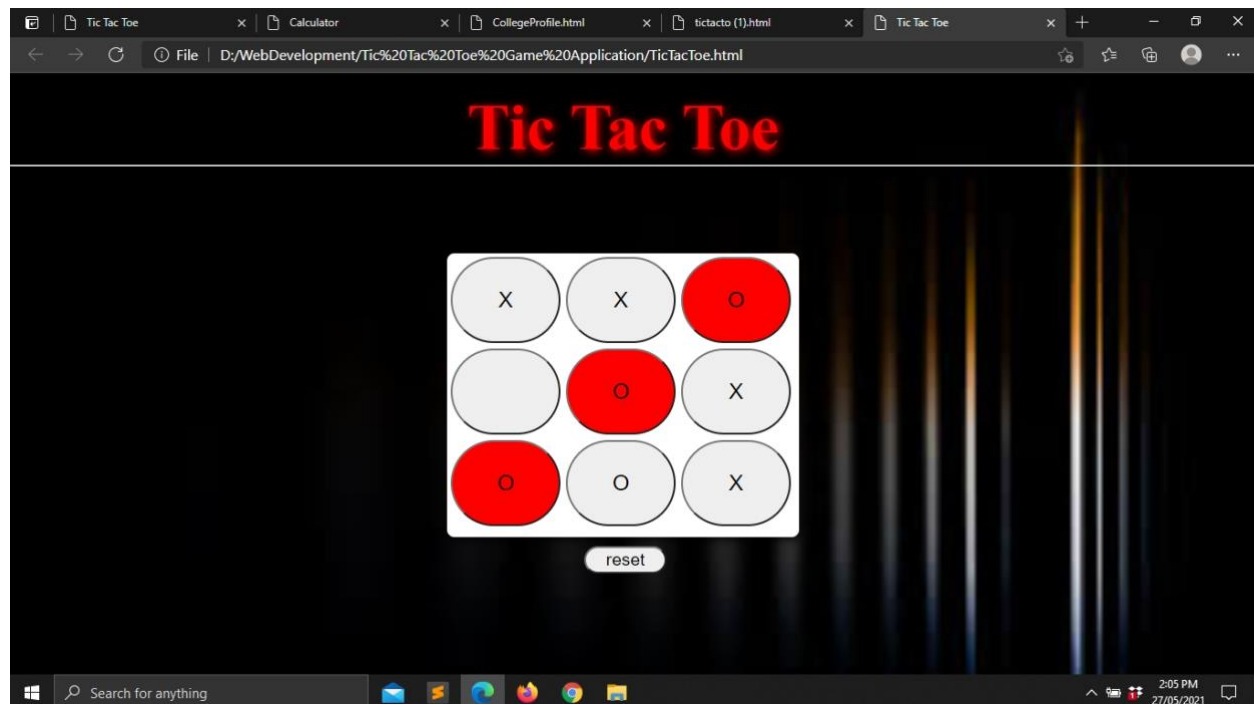
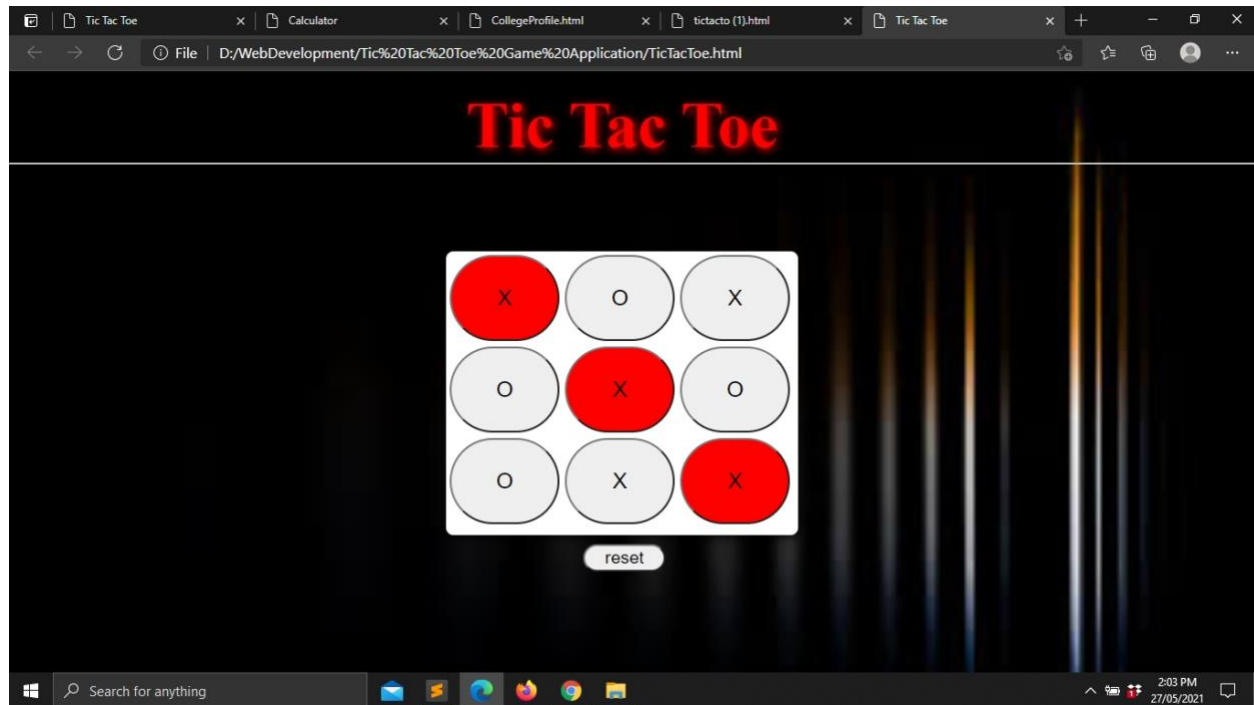
<input type="button" value="reset" id="b10"
onclick="clr()">

</div>

</body>

</html>

OUTPUT:-



CONCLUSION:-

The Tic Tac Toe game is most familiar among all the age groups. Intelligence can be a property of any Purpose-driven decision maker. This basic idea has been suggested many times. An algorithm of playing Tic Tac Toe has been presented and tested that works in efficient way. Overall System works without any bugs.

