

## Practical 1 -- Basics of Java Script

### HTML code 1:first

```
<!DOCTYPE html>
<html>
<head>
<title> The first lecture on java script </title>
</head>
<body>
<h1> Introduction to java script </h1>
<p> Java script is used for front end programming.</p>
</body>
</html>
```

### HTML code 2:second

```
<!DOCTYPE html>
<html>
<title>
Guru Nanak Khalsa College of Arts,Science and Commerce
</title>
<head>
<b>Guru Nanak Khalsa College of Arts,Sciencep and Commerce</b>
</head>
<br>
<body>
Department of Mathematics and Statistics
<br>
Tybsc sem VI javascript
<br>
<p> Notice of the month of November </P>
</body>
</html>
```

### HTML code 3:Heading

```
<!DOCTYPE html>
<html>
<head>
<title> Heading Example </title>
</head>
<body>
<h3>This is heading 3 </h3>
<h4>THis is heading 4 </h4>
<h5>THis is heading 5 </h5>
<h6>THis is heading 6 </h6>
</body>
</html>
```

#### HTML code 4:Paragraph

```
<!DOCTYPE html>
<html>
<head>
<title>
Paragraph Example
</title>
<body>
<p> Here is the first paragraph of text </p>
<p> Here is the second paragraph of text </p>
<p> Here is the third paragraph of text </p>
</body>
</html>
```

#### HTML code 5:Line brake

```
<!DOCTYPE html>
<html>
<head>
<title>
Line Brake Example
</title>
</head>
<body>
<p>Hello<br>
You delivered your assignment on time. <br>
Thanks. <br>
Monika </p>
</body>
</html>
```

#### HTML code 6: Use of Script in html

```
<IDOCUMENT HTML>
<body>
<head>
<title>Java script</title>
</head>
<p> this is html code</p>
<script type="text/javascript">
document.write("Welcome to java script")
</script>
<p> this is also html code</p>
</body>
```

#### HTML code 7: Use of src (source) in html

```
<!DOCTYPE html>
<html>
```

```

<body>
<script type="text/javascript" src="frist.js">
</script>
</body>
</html>

```

HTML code 8: demo

```

<html>
<body>
<h1> Automatic declaration of variable </h1>
<script type = "text/javascript">
const x = 1937;
var c = 'Guru Nanak Khalsa College';
let p= 2024 - x;
d = 'Department of Mathematics & Statistics';
document.write(c+" is established in the year "+x+" and is completed "+p+" years.
<br> "+d+" started with college.");
y='TYBSc';
z='Paper';
u=5;
document.write("<br> This is "+y+" "+z+" "+u);
</script>
</body>
</html>

```

code 9: Use of prompt

Javascript code:

```

var a = window.prompt("Enter the first number: ", "0")
var b = window.prompt("Enter the second number: ", "0")
var name = window.prompt("Enter your name: ", "Annonymous")
sum = +a + +b
diff = +a - +b
prod = +a*+b
div = +a/+b
document.write("Hi !:"+name+". Your output are as follows:"+<br>")
document.write("The sum of number is "+sum+"<br>")
document.write("The difference of numbers is "+diff+"<br>")
document.write("The product of number is "+prod+"<br>")
document.write("The division of number is "+div)

```

HTML code

```

<html>
<body>
<h1> Illustration of Arithmetic operator </h1>
<script src = prompt.js>
</script>

```

```
</body>
</html>
```

#### code 10: Use of Assignment Operators

Javascript code:

```
let a = window.prompt("Enter the first number: ","0");
let b = window.prompt("Enter the second number: ","0");
x="XYZ"
a+=b
b-=a
document.write("Value of a is "+a+"<br>");
document.write("Value of b is "+b+"<br>");
document.write("The value of x is "+x);
```

HTML code:

```
<html>
<head>
<title> Assignment Operators </title>
<body>
<h1> Illustration of operators </h1>
<script type = "text/javascript" src = operators.js >
</script>
</body>
</head>
</html>
```

#### code 11: Use of Comparison Operators

Javascript code:

```
let name = window.prompt("Enter your name: ")
let x = window.prompt("Enter a text")
let y = window.prompt("Enter second text")
document.write("Hi!" + name + " your output is " + "<br>")
r1=(x==y)
document.write("Is x=y?" + r1 + "<br>")
r2=(x<y)
document.write("Is x<y?" + r2 + "<br>")
r3=(x<=y)
document.write("Is x<=y?" + r3 + "<br>")
r4=(x>y)
document.write("Is x>y?" + r4 + "<br>")
r5=(x!=y)
document.write("Is x!=y?" + r5)
```

HTML code:

```

<html>
<head>
<title> Comparison Operators </title>
</head>
<body>
<h1> Illustration of comparison operators </h1>
<script type="text/javascript" src=comparison.js>
</script>
</body>
</html>

```

code 12: Use of Ternay Operators

Javascript code:

```

let a = window.prompt("Enter an integer: ");
document.write("The integer entered is "+a+"<br>");
y=(a%2==0)?"Even":"Odd";
document.write(a+" is "+y+" number");

```

HTML code:

```

<html>
<head>
<title> Ternary Operators </title>
<h1> Illustration of Ternary Operators </h1>
</head>
<body>
<script type="text/javascript" src = ternary.js>
</script>
</body>
</html>

```

code 13: Use of typeof

Javascript code:

```

document.write("<br>" +typeof "Aman");
document.write("<br>" +typeof ("Aman"+"Gupta"));
document.write("<br>" +typeof 5.55);
document.write("<br>" +typeof 55);
document.write("<br>" +typeof(68+10));
document.write("<br>" +typeof true);
document.write("<br>" +typeof false);
document.write("<br>" +typeof 1243n);
document.write("<br>" +typeof Symbol());
document.write("<br>" +typeof x);

```

HTML code:

```
<html>
<head>
<title> Typeoff Operators </title>
<h1> Illustration of typeoff operators </h1>
</head>
<body>
<script type="text/javascript" src=typeoff.js>
</script>
</body>
</html>
```

code 14: Use of If Else condition

Javascript code:

```
let a = window.prompt("Enter a number: ", "0");
if(a%2==0)
{
    document.write(a, " is an even number");
}
else
{
    document.write(a, " is an odd number");
}
```

HTML code:

```
<html>
<head>
<title> Even odd program </title>
<h1> Illustration of even odd program </h1>
</head>
<body>
<script type = "text/javascript" src = if_else.js >
</script>
</body>
</html>
```