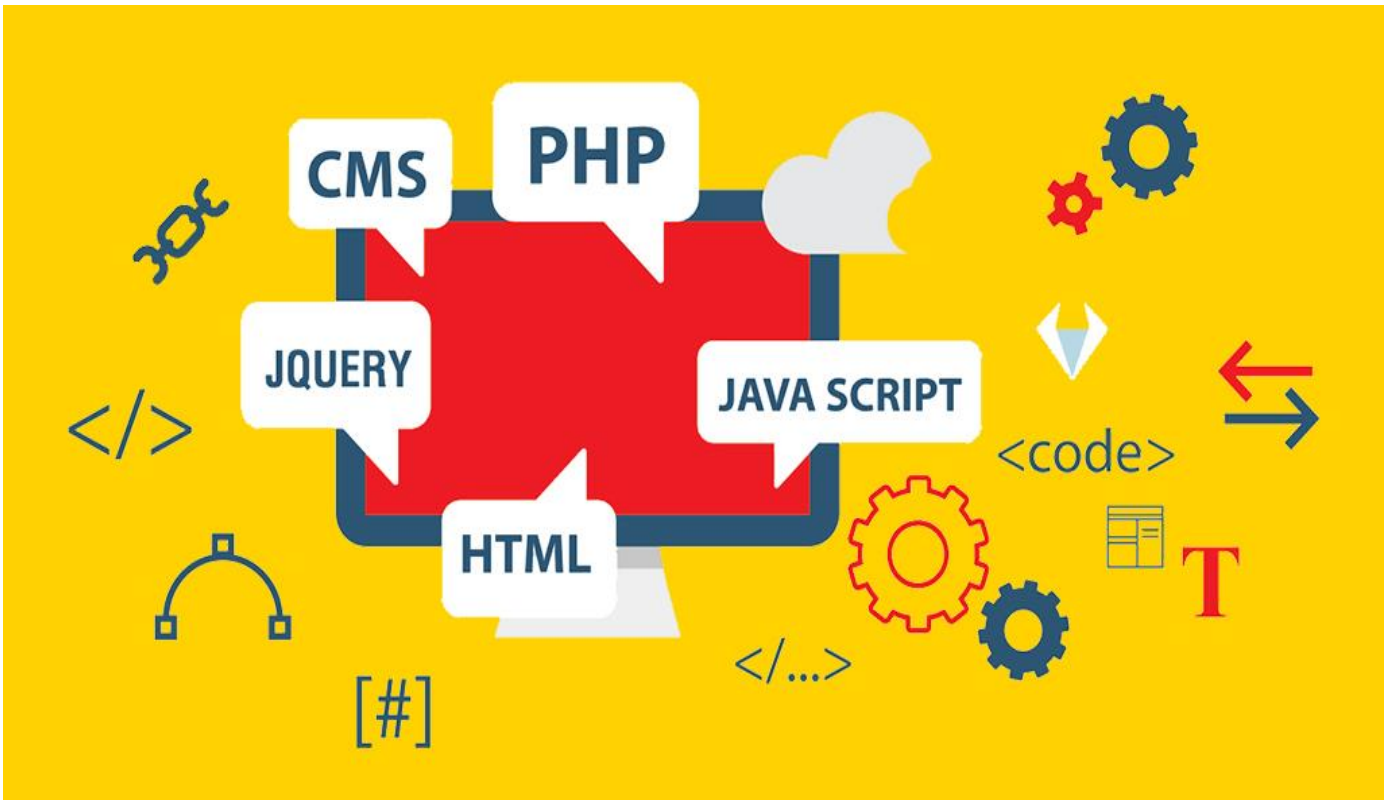
JIS College of Engineering
Department of Computer Science and Engineering
Paper Name: Web Technology Lab
Paper Code: CS792C



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Vision and Mission of the Department: -

Vision
The Computer Science and Engineering Department at JIS College of Engineering will be a leader in computing innovation through excellence in undergraduate and graduate education, active research programs and the dissemination of knowledge. The Department will leverage both the international and interdisciplinary nature of computing.

Mission
The Department's mission is

- To provide students and faculty with an open environment that encourages professional and personal growth.
- To prepare students for flexible career paths and continuing advancement in computing.
- To motivate and encourage the students to build successful career in the computing professions through flexible program of study that can be adapted to support individual career goals.

Department Program Educational Objectives (PEOs)

The Program Educational Objectives (PEO) of the Mechanical Engineering Program will demonstrate the essential components of a successful engineer for the best career based professional accomplishments after graduation. Therefore the objectives are following:

PEO 1: Graduates will be engineering practitioners and leaders, who would assist to resolve industry's technological problems.

PEO 2: Graduates will be engineering professionals, innovators or entrepreneurs engaged in technology development, technology deployment, or engineering system implementation in industry and research institute.

PEO 3: Graduates will interact with their peers in other disciplines in industry and society and contribute to social awareness and the economic growth of the country.

PEO 4: Graduates will be successful in pursuing higher studies in engineering or management and will pursue career paths in teaching or research.

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Program Specific Outcomes (PSOs)

A graduate of the Computer Science and Engineering Program will demonstrate:

PSO1: Professional Skills: The ability to understand, analyze and develop computer programs in the areas related to algorithms, system software, multimedia, web design, big data analytics, and networking for efficient design of computer-based systems of varying complexity.

PSO2: Problem-Solving Skills: The ability to apply standard practices and strategies in software project development using open-ended programming environments to deliver a quality product for business success.

PSO3: Successful Career and Entrepreneurship: The ability to employ modern computer languages, environments, and platforms in creating innovative career paths to be an entrepreneur, and a zest for higher studies and research.

Course Objective(s):

- To impart the design, development and implementation of Static and Dynamic Web Pages.
- To develop programs for Web using Scripting Languages and .net framework.
- To give an overview of Server Side Programming in Web.

Course Outcomes (COs):

CO1: To develop interactive web pages using HTML, DHTML, CSS and image map

CO2: To procure the knowledge of information interchange formats like XML

CO3: To validate fields of web pages using scripting languages like JavaScript

CO4: To develop web applications using PHP and ASP.net

CO5: To acquire the server side programming concepts using servlet, JSP

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CO-PO Mapping

CO	PO1	PO 2	PO 3	PO 4	PO 5	PO 6	PO 7	PO 8	PO9	PO1 0	PO1 1	PO1 2
CO1	1	-	2	-	-	-	-	-	-	-	-	-
CO2	2	1	1	-	-	-	-	-	-	-	-	-
CO3	-	2	-	2	-	-	-	-	-	-	-	-
CO4	-	2	3	-	1	-	-	-	-	-	-	-
CO5	-	-	3	2	-	-	-	-	-	-	-	-

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Sl	Name of the Experiment	Date of Experiment	Date of Submission	Signature	Remarks
1	Write a single html program through which you can explain a) anchor tag, b)'img' tag with 'src' attribute, c)paragraph d) heading.				
2	Write a single html program through which you can draw a table which consists of 3 row and 4 columns where 1st row contains 4 different column fields of a student's information with red text color and Calibri font style with font 12. Rest cells of whole table contain values with blue text colors and Times new roman font style with font 10.				
3	Write a single html program where 1st paragraph can collect its specified style from internal stylesheet describes inside that html program and 2nd paragraph can collect its specified style from another file (external stylesheet).				
4	Write a single html program which implements image map concept using 'usemap' and <map>				
5	Write an html program to find out Celsius temperature of a given Fahrenheit temperature using JavaScript.				
6	Write an html program to find out m to the power n (m, n valid integer no) using a function using javascript.				
7	Write an xml parsing technique through which parse a text string into an XML DOM object, and extracts the info from it with JavaScript.				
8	Write a simple php program through which you can find out maximum and minimum among three no's specified by the user.				
9	Write a simple php program through which you can implement the concept of GET & POST method w.r.t PHP Form handling.				
10	Write a simple program in ASP.net through which you can create a login page of your own website.				
11	Write a simple JSP program through which you can print even and odd no separately within a given range.				
12	Create an Online Registration form for individual user of a website using Servlet.				

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Sl	Name of the Experiment	Date of Experiment	Date of Submission	Signature	Remarks
13	Write an html program to find out the factorial of a number using a function in JavaScript.				
14	Write an html program to find out the Fibonacci Series of a number using a function in JavaScript.				
15	Write an html program to find out the whether a number is Armstrong number or not using a function in JavaScript.				
16	Write an html program to find out the whether a number is Strong number or not using a function in JavaScript.				
17	Write an html program to find out the whether a number is Palindrome number or not using a function in JavaScript.				
18	Write an html program to find out the whether a number is positive/negative number or not using a function in JavaScript.				
19	Write an html program to find out the whether a number is absolute number or not using a function in JavaScript.				
20	Write an html program to find out the whether a number is even/odd number or not using a function in JavaScript.				

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Experiment No1: Write a Program in C to Check Odd and Even parity.

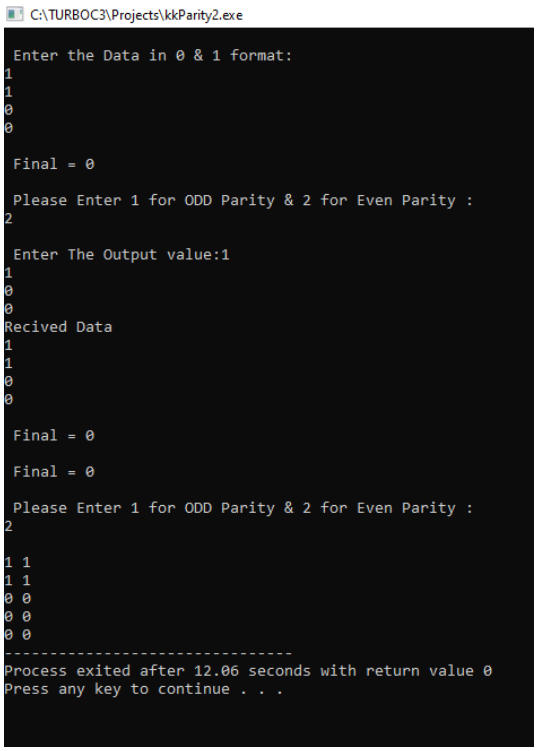
Code:

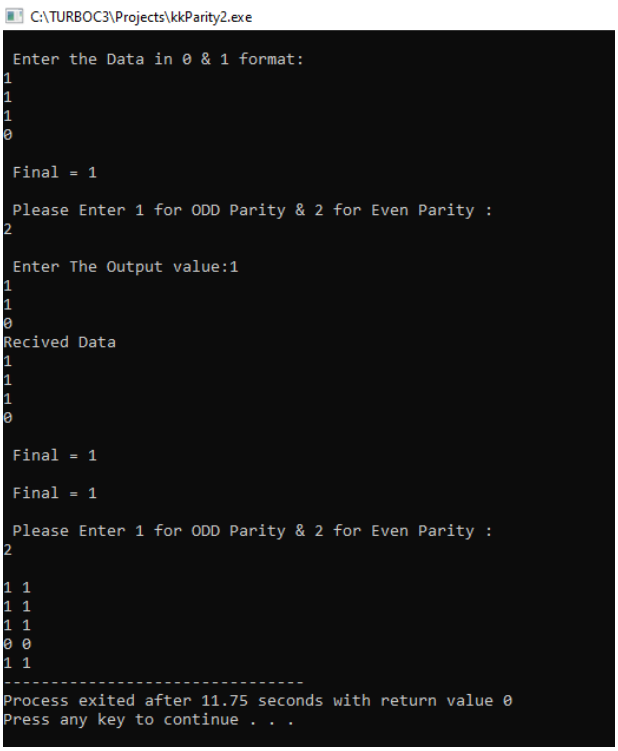
```
#include <stdio.h>
int *sender(int *a)
{
	int i,i1,i2;
	printf("\n Enter the Data in 0 & 1 format: \n");
	for(i=0;i<=3;i++)
	{
		scanf("%d",&a[i]);
	}
	i2=a[0];
	for(i=0;i<3;i++)
	{
		//printf("\nint %d a[i+1] %d i = %d\n",i2,a[i+1],i);
		i2=i2^a[i+1];
		//printf("\nFil %d a[i+1] %d i = %d\n",i2,a[i+1],i);
	}
	printf("\n Final = %d\n",i2);
	fflush(stdin);
	printf("\n Please Enter 1 for ODD Parity & 2 for Even Parity :\n");
	scanf("%d",&i1);
	if(i1==2 && i2==0)
	{
		a[4]=0;
	}
	else if(i1==2 && i2==1)
	{
		a[4]=1;
	}
	else if(i1==1 && i2==0)
	{
		a[4]=1;
	}
	else if(i1==1 && i2==1)
	{
		a[4]=0;
	}
	else
	{
		printf("%d %d",i1,i2);
		printf("ERROR");
	}
	return a;
}
int *reciver(int *a)
{
```

```
int i,i2,i22,i1;
int aa[5];
printf("\n Enter The Output value:");
for(i=0;i<4;i++)
{
        scanf("%d",&aa[i]);
}

printf("Recived Data\n");
for(i=0;i<4;i++)
{
        printf("%d\n",a[i]);
}

i2=a[0];
for(i=0;i<3;i++)
{
        i2=i2^a[i+1];
}
printf("\n Final = %d\n",i2);

i22=aa[0];
for(i=0;i<3;i++)
{
        i22=i22^aa[i+1];
}
printf("\n Final = %d\n",i22);


printf("\n Please Enter 1 for ODD Parity & 2 for Even Parity :\n");
scanf("%d",&i1);
if(i1==2 && i2==0)
{
        aa[4]=0;
}
else if(i1==2 && i2==1)
{
        aa[4]=1;
}
else if(i1==1 && i2==0)
{
        aa[4]=1;
}
else if(i1==1 && i2==1)
{
        aa[4]=0;
}
else
{
```

```
                printf("%d %d",i1,i2);
                printf("ERROR");
        }
        for(i=0;i<5;i++)
        {
                printf("\n%d %d",a[i],aa[i]);
                if(a[i]!=aa[i])
                {
                        printf("Data Parity Error");
                        break;
                }

        }

}
int main()
{
int aa[5];
int *a1;
a1 = sender(aa);
reciver(a1);
        return 0;

}
```

Output:





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