

WEB DEVELOPMENT LAB

JSP

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COURSE CODE CSC4002
SLOT : L43+L44

1. Find factorial of the given number

Index.jsp

```
<!DOCTYPE html>
<html>
<body>
<form method="post" action="fact.jsp">
<label>Number</label>
<input type="number" name="number">
<input type="submit">
</form>
</body>
```

Fact.jsp

```
<!DOCTYPE html>
<html>
<body>
<h1>Factorial</h1>
Number=<%=request.getParameter("number");%>
<% int num=request.getParameter("number");
int fact=1;
for(int i=1;i<=num;i++)
{
fact=fact*i;
}
out.print(fact);
%>
</body>
```

2. Find if a given number is an Armstrong number

Index.jsp

```
<!DOCTYPE html>
<html>
<body>
<form method="post" action="arms.jsp">
<label>Number</label>
<input type="number" name="number">
<input type="submit">
```

```
</form>
</body>
```

Arms.jsp

```
<!DOCTYPE html>
<html>
<body>
<h1>Armstrong number</h1>
Number=<%=request.getParamater("number");%>
<% int num=request.getParamater("number");
int sum=0;
int temp=num;
while(num>0)
{
int r=num%10;
sum=sum+r*r*r;
num=num/10;
}
if(temp==sum)
{
out.print("armstrong number");
}
else{
out.print("not armstrong number");
}
%>
</body>
```

3. Find if a given number is Automorphic

Index.jsp

```
<!DOCTYPE html>
<html>
<body>
<form methos="post" action="auto.jsp">
<label>Number</label>
<input type="number" name="number">
<input type="submit">
</form>
</body>
```

Auto.jsp

```
<!DOCTYPE html>
<html>
<body>
<h1>Armstrong number</h1>
Number=<%=request.getParamater("number");%>
<% int num=request.getParamater("number");
```

```

int sq=num*num;
if(num%10 != sq%10)
{
out.print("Not Automorphic");
num=num/;
sq=sq/;
}
else
{
out.print("Automorphic");
}
%>
</body>

```

4. Write a JSP and HTML form to design a book application Online Ebook shopping system with book name, publication year and author name and 20% discount for 3 similar books.

Index.jsp

```

<!DOCTYPE html>
<html>
<head><title>E-book shopping</title></head>
<body>
<form method="post" action="discout.jsp">
<label>Enter the book name</label>
<input type="text" name="bname"><br>
<label>Enter the author name</label>
<input type="text" name="aname"><br>
<label>Enter the publication year</label>
<input type="text" name="year"><br>
<label>Enter the quantity</label>
<input type="number" name="quantity"><br>
<input type="submit">
</form>
</body>
</html>

```

Discount.jsp

```

<!DOCTYPE html>
<html>
<head><title>E-book shopping</title></head>
<body>
<h1>book details</h1>
Book name:<%=request.getParameter("bname")%><br>
Author name:<%=request.getParameter("aname")%><br>
Publication year:<%=request.getParameter("year")%><br>
<%= int quantity=request.getParameter("quantity");
if(quantity==3)
{
int price=120;

```

```
float discount=0.2;  
float total=(3*price)*discount;  
out.print("total price",total);  
}  
%>  
</body
```

THANKYOU MAM