

Part A - 6

6. Write a JSP program to print first 10 Fibonacci and 10 prime numbers

File ->New Project->Java with Ant->Java We->Web Application-> Next->Project Name (Fibo&Prime)->Next-> Server(Apache Tomcat or TomEE)Nex->Finish.

After creating the project go to the Web Pages

Web Pages->Right click->New->JSP..->File name(Demo.jsp)-> Finish.

File name: Demo.jsp

```
<%@page contentType="text/html" pageEncoding="UTF-8"%>
<!DOCTYPE html>
<html>
    <head>
        <meta http-equiv="Content-Type" content="text/html; charset=UTF-8">
        <title>JSP Page</title>
    </head>
    <body>
        <h4>Fibonacci Series</h4>
        <%
            int a = 0, b = 1,c,i;
            out.println(a+"&nbsp;&nbsp;&nbsp;"&b+"&nbsp;&nbsp;&nbsp;");
            for (i = 2; i <10; i++) {
                c=a+b;
                out.println(c+"&nbsp;&nbsp;&nbsp;");
                int next = a + b;
                a = b;
                b = c;
            }
        %>
```

```
%>

<h4>Prime Number</h4>

<%

int pn = 2,count=1;
boolean isprime=true;
while(count<=10){
    isprime=true;
    for(i=2;i<=pn/2;i++){
        if(pn%i==0){
            isprime=false;
            break;
        }
    }
    if(isprime){
        out.println(pn+"&nbsp; &nbsp;");
        count++;
    }
    pn++;

}

%>

</body>

</html>
```

Run this Demo.Jsp file

1. Right click on file name-> Run file
2. <http://localhost:8080/FibonacciAndPrime/Demo.jsp>

Output:

Fibonacci Series

0 1 1 2 3 5 8 13 21 34

Prime Number

2 3 5 7 11 13 17 19 23 29