

5)Program to demonstrate Servlet Filter

```
package com.simpli;

import java.io.*;

import javax.servlet.*;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.*;

@WebServlet("/dashboard")

public class AccountDashboard extends HttpServlet{

    private static final long serialVersionUID=1L;

    protected void doGet(HttpServletRequest request,HttpServletResponse response) throws
ServletException,IOException{

        PrintWriter out = response.getWriter();

        out.print("<br>) I am in AccountDashboard after passing through LoginFilter\"<br>");

    }

}

package com.simpli;

import java.io.*;

import javax.servlet.*;

import javax.servlet.annotation.WebServlet;

import javax.servlet.http.*;

@WebServlet("/Profile")

public class AccountProfile extends HttpServlet{

    private static final long serialVersionUID=1L;

    protected void doGet(HttpServletRequest request,HttpServletResponse response) throws
ServletException,IOException{

        PrintWriter out = response.getWriter();
```

```

        out.print("<br>I am in Account Profile after passing through LoginFilter\ "<br>");
    }
}

package com.simpli;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.*;
import javax.servlet.annotation.WebServlet;
import javax.servlet.http.*;

@WebFilter("/Info")
public class InfoServlet extends HttpServlet{

    private static final long serialVersionUID=1L;

    protected void doGet(HttpServletRequest request,HttpServletResponse response) throws
ServletException,IOException{

        PrintWriter out = response.getWriter();

        out.print("<br> I am in InfoServlet.No filter is configured for me <br>");

    }

}

package com.simpli.filter;

import java.io.IOException;
import java.io.PrintWriter;

import javax.servlet.*;

@WebFilter("/LoginFilter")
public abstract class LoginFilter implements Filter{

    public void doFilter(ServletRequest request,ServletResponse response,FilterChain chain)
throws IOException,ServletException{

```

```

        PrintWriter out = response.getWriter();

        //Business logic

        String userId=request.getParameter("userid");

        if (userId!=null) {

            chain.doFilter(request, response);

        }

        else {

            out.println("No userid present.Request Blocked.");

        }

    }

    @Override

    public void init(FilterConfig fConfig) throws ServletException{

    }

    public void destory() {

    }

}

```

```

<center> Servlet Filter Demo</center>
<body> <a href="dashboard?userid=johndoe">AccountDashboard(allow
filter)</a></body>
<br> <a href="profile?userid=johndoe">Account profile (allow filter)</a>
<br> <a href="dashboard">AccountDashboard (block filter)</a>
<br> <a href = "info">info page</a>
<br></body>

```

Output:

I am in AccountDashboard after passing through LoginFilter"

