Practical No. 7

Objective: Demonstrating data sharing using servlet context.

Theory:

One of the major purposes of Web applications is to keep data separate. Each Web application maintains its own table of sessions and its own servlet context. Each Web application also uses its own class loader; this behavior eliminates problems with name conflicts but means that static methods and fields can't be used to share data among applications. However, it *is* still possible to share data with cookies or by using ServletContext objects that are associated with specific URLs.

Source Code:

SourceServlet.java package

scope;

```
import java.io.IOException; import
java.io.PrintWriter; import
javax.servlet.ServletContext; import
javax.servlet.ServletException; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;

public class SourceServlet extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
PrintWriter out = response.getWriter();                    ServletContext




sc = getServletContext();                sc.setAttribute("Name","
Kiran");          out.println("Welcome to First Servlet");
        out.println("<a href = TragetServlet> Get Name </a>");
processRequest(request, response);
    }
}
```

TargetServlet.java package

scope;

```
import java.io.IOException; import
java.io.PrintWriter; import
javax.servlet.ServletContext; import
javax.servlet.ServletException; import
javax.servlet.http.HttpServlet; import
javax.servlet.http.HttpServletRequest; import
javax.servlet.http.HttpServletResponse;
```

```
public class TragetServlet extends HttpServlet {
    @Override
    protected void doGet(HttpServletRequest request, HttpServletResponse response)
            throws ServletException, IOException {
PrintWriter out = response.getWriter();
        ServletContext sc = getServletContext();
String str = sc.getAttribute("Name").toString();
out.println("Welcome"+str);
processRequest(request, response);
    }
}
```

Output:

Result: The given program has been compiled and executed successfully.