**Practical No. 10 : Develop webpage for creating session and persistent cookies Observe the effect with browser cookie settings.**

1. **Practical Significance:** Cookies are data, stored in small text files, on your computer.

When a web server has sent a web page to a browser, the connection is shut down, and the server forgets everything about the user.

### Relevant Program Outcomes (POs):

* Basic knowledge: Apply knowledge of basic mathematics, sciences and basic engineering to solve the computer group related problems.
* Discipline knowledge: Apply Computer Programming knowledge to solve the computer group related problems.
* Experiments and practice: Plan to perform experiments and practices to use the results to solve the computer group related problems.
* Engineering tools: Apply relevant Computer programming / technologies and tools with an understanding of the limitations.
* Individual and Team work: Function effectively as a leader and team member in diverse/multidisciplinary teams.
* Communication: Communicate effectively in oral and written form.

1. **Competency and Practical skills:**
2. Develop webpage for creating session and persistent cookies

### Relevant Course Outcome(s):

Use Javascript for handling cookies.

### Practical Outcome (PrOs):

1. Develop webpage for creating session and persistent cookies

### Relevant Affective domain related Outcome(s):

* 1. Follow safety practices.
  2. Practice good housekeeping
  3. Demonstrate working as a leader/ a team member.
  4. Follow ethical practices.

1. **Minimum Theoretical Background:**

Cookies are a plain text data record of 5 variable-length fields −

1. Expires − The date the cookie will expire. If this is blank, the cookie will expire when the visitor quits the browser.

2. Domain − The domain name of your site.

3. Path − The path to the directory or web page that set the cookie. This may be blank if you want to retrieve the cookie from any directory or page.

4. Secure − If this field contains the word "secure", then the cookie may only be retrieved with a secure server. If this field is blank, no such restriction exists.

5. Name=Value − Cookies are set and retrieved in the form of key-value pairs

The simplest way to create a cookie is to assign a string value to the document.cookie object, which looks like this.

document.cookie = "key1 = value1;key2 = value2;expires = date";

1. **Resources required**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sr. No. | Name of Resource | Broad specification | Quantity | Remark (If any) |
| 1 | Computer System | Computer (i3-i5 preferable), RAM minimum 2 GB and onwards | As per batch size | For all Experiments |
| 2 | Operating System | Windows / Linux |
| 3 | Development Software | Browser and Notepad/any Text Editor  Free Webpage Designing Tool  Any IDE |

1. **Resources used**

| S. No. | Name of Resource | Broad Specification | Qty | Remarks (If any) |
| --- | --- | --- | --- | --- |
|  | Computer System  with broad specifications | Intel Core –i5  RAM – 8 GB | 1 PC / Student |  |
|  | Operating System | Windows 10 |  |
|  | Development Software | MicromediaDreamviewer 8 |  |

1. **Result**

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**Browser Setting for Cookie - Chrome and Mozilla**

1. **Conclusion**

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| --- | --- | --- | --- |
| Marks Obtained | | | Dated Signature of Teacher |
| Process Related ( 10 ) | Product Related ( 15) | Total ( 25 ) |  |
|  |  |  |

Red,Green, Blue

Get Cookie

Add Cookie

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Password

Manaswini

User Name