Lecture 7 Notes (Encoding, File Read Write)

Encoding:

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <?php
    for ($i = 1;$i <= 10; $i++)
    {
        $a = $i+5;
    ?>
    <a href="random.php?id=<?php echo $a;?>">Next Page <?php echo $a; ?></a>
    <br>
    <?php
    }
    ?>
</body>
</html>




<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <h3>Hello Everyone? </h3>
    <?php
    echo "My id is ".(($_GET["id"])-5)."<br>";

    if (($_GET["id"])-5%2 == 0)
    {echo "Even <br>";}
    else
    {echo "Odd <br>";}
    ?>
</body>
</html>
```
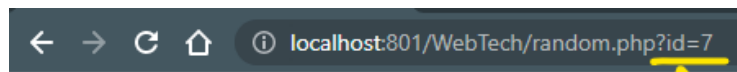
localhost:801/WebTech/random.php?id=7

Hello Everyone?

My id is 2   ← URL encoded
Odd

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```php
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <?php
    for ($i = 1;$i <= 10; $i++)
    {
        $a = $i+5;
        $cname = "Bhai & Bhai";
    ?>
    <a href="random.php?id=<?php echo $a;?>&name=<?php echo $cname;?>">Next Page
<?php echo $a; ?></a>
    <br>
    <?php
    }
    ?>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <h3>Hello Everyone? </h3>
    <?php
    echo "Company name is: ".$_GET["name"]."<br>";
    ?>
```

```
</body>
</html>
```

Hello Everyone?

Company name is: Bhai

Ekhane Company name puro ta print hoyni karon value ta properly URL er maddhome pass hocche na "&" character er jonno

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E khetre encode korte hobe

Encoding -> This is a process where the special character is represented by its ASCII value then converted to hexadecimal and adds a % at the beginning.

PHP te built in function ache encoind er jeta use kore encode korbo.

```php
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <?php
    for ($i = 1;$i <= 10; $i++)
    {
        $a = $i+5;
        $cname = urlencode("Bhai & Bhai");
    ?>
    <a href="random.php?id=<?php echo $a;?>&name=<?php echo $cname;?>">Next Page
<?php echo $a; ?></a>
    <br>
    <?php
    }
    ?>
</body>
</html>

<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
```

```
    <h3>Hello Everyone? </h3>
    <?php
    echo "Company name is: ".$_GET["name"]."<br>";
    ?>



</body>
</html>
```

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Next Page 7
Next Page 8
Next Page 9
Next Page 10
Next Page 11
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Next Page 13
Next Page 14
Next Page 15

Hello Everyone?

Company name is: Bhai & Bhai

Ekhon company name thik e ashce, encoder (urlencode) use korar karone.

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File Read Write

- Ekta file read korar age first, otake open korte hobe -> **fopen("filename.txt", "r");**

Filename.txt -> je file ta read korte chacchi

r -> r stands for read mode

- File read korar jonno built-in function -> **fread("filename.txt",size);**
  Filesize("filename"); ekta built in function jeta amk bolbe file size koto
- File read er por close kore dite hobe -> **fclose("filename.txt");**

```
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <?php
    $file = fopen("data.txt","r") or die ("Unable to open file");
    /*die onek ta eco er motoi print kore
    and print kora seshe program finish kore dibe. die tokhon use kori
jokhon file open hoyni*/
    echo fread($file,filesize("data.txt"));
    fclose($file);
    ?>
```

```
• </body>
• </html>
•
```

Hello everyone, Today I am reading file using PHP?

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File read mode are 4 types: r, w, a, x

r mode-> (read)

- It opens a file for read-only.
- The file pointer starts at the beginning of the file.

w mode-> (write)

- Opens a file for write-only.
- Erases the contents of the file.
- Creates a new file if the file doesn't exist.
- File pointer starts at the beginning of the file.

a mode -> (append)

- It opens a file for write-only.
- The existing data in the file is preserved.
- File pointer starts at the end of the file.
- Creates a new file if the file doesn't exist.

x mode ->

- Creates a new file for write-only.
- Returns false and an error if the file already exists.

New 3 functions for READ WRITE:

1. **fgets("filename.txt");** -> To read a single line from a file.
2. **feof("filename.txt");** -> Checks whether you have reached the end of the file or not. Mostly used in case of loops.
3. **fgetc("filename.txt");** -> Used to read single character from a file.

```html
<!DOCTYPE html>
<html lang="en">
<head>
    <title>Document</title>
</head>
<body>
    <?php
    $file = fopen("data.txt","r") or die ("Unable to open file");
    while (!feof($file))
    {
        echo fgets($file)."<br>";
    }
    fclose($file);
    ?>
</body>
</html>
```

Hello everyone, Today I am reading file using PHP?

I am good
Ow yeah baby so hard

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