Quiz   19MCMC16.

① Three phases are there in http protochol.

→ client establishes a TCP connection.

→ The client sends its request and waits for the answer.

→ the server process the request sending back its answer, providing status code and appropriate data.

As of HTTP/1.1, connection is no longer closed after completing third phase, and the client is now granted a further req. this means second and third phases can now be performed any no. of times.

HTTP response status codes indicate if a specific HTTP request has been successfully completed.

They are grouped into 5 classes.

    informational response.

successful resp.

redirects

client errors

server errors.

④   ?

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③
```php
<?php
$AAA = 10;
$BBB = 20;

echo "\n The no. before swapping is →\n";
echo "Number a = ".$AAA." and b = ".$BBB.";

$temp = $AAA;
$AAA = $BBB;
$BBB = $temp;

echo "\n No after swap are —";
echo "a = ".$AAA." and b = ".$RBBB
?>
```

②
```javascript
var rL =
var rectangle length = parseInt (prompt ("Enter length");
var rectangle Width = parseInt (prompt ("Enter width"));
var Area = rectanglelength * rectangWidth;
console.log ("Area" + Area);
var perimeter = 2*(rectanglength + rectangle Width);
console.log = ("Perimeter" + Perimeter);
```

⑨ Open method —
```javascript
xhttp.open ("GET", "www.uohyd.ac.in", false);
```

(7) Jquery statement to display an image randomly taken from a folder.

```
$(document).ready(function(){
    $("#changeMe").src("images/" + getRandomImage(
});
```

```
<img id="changeMe" src="images/default.jpg" />
```

(8.) The typical steps in a PoP protocol are as follows —

Its goal is to allow authenticated users to retrieve email messages from server.

Steps

→ Client sends commands
  - command — one Ascii line ending with (CRLF)
  - USER, PASS, STAT, RETR, DELE, QUIT.

Then mail is transmitted from sender's mail server to the receiver's mail server over internet. Server replies with OK if command was successful.

On receiving mail at receiver's mail server the mail is then sent to receiver.

The transmission of mail from sender to sender's mail server is takes then to the receiver's mail server is done with the help of the PoP or IMAP.

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8 contd.

SMTP protocol. At receiver's mail server the POP of IMAP. protocol takes data and transmits to actual user.

(10.)

```
<video width = "480" height= "240" controls>
  < source src = " song.mp4 "        type = "video/mp4" >
</video>
```

(6) input.html

```html
<html>
<body>
<form action = "Factorial.jsp">
Enter a value for n: <input type = "text"
    name = "val">
input type = "submit"  value = Submit">
</form>
</body>
</html>
```

Factorial.jsp
```jsp
<body>
<%!
long n, result;
String str;

long fat (long n) {
if (n == 0)
    return 1;
else
    return n * fat (n-1);
}
%>

<% str = request.getParameter ("val");
    n = long.parseLong (str);
    result = fact(n);
%>
<b> Factorial value : </b>    <%= result%>
</body>
```

(5) MVC is a pattern for the architecture of software application. It separates an application into following —

1. Models for handling data and business logic.

* It is responsible for holding the functions and variables that are invoked with its representation. It function more like a class in OOP.

2. Controller for handling UI and application by taking input from User.

(3) View for handling graphical user Interface objects and presentation. It will contain the markup CSS, HTML amongst others used in the creation of the webpage.

MVC for a software application.