

Chapter 2 Network Applications Learning objectives Basic understanding of Internet, Client / Server architecture, browsers and servers. HTML, Java, JavaScript, VBScript, PHP, Java servlet programming. Website Designing. Understanding of various protocols.















































More HTML ta	<pre> effTML5 eb00Ys eff1>Thus is bealing1 the set of t</pre>
TD> - Cell	Alignment tags (h1 align) Paragraph (P) Text formatting tags (B,I,U).
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Java and the Internet (contd..) <HTML> Execution of applet: <HEAD>My First Applet</HEAD> Web browser and HTML file with appropriate applet tag <BODY> <appletcode="First Applet" width=200 height=60> Width and height specify the dimensions of the display area used by the </applet> applet </BODY> </HTML> CS555, WMU-CS 2-28



-	0
 VBScript <html></html> <html></html> <kody></kody> <script type="text/vbscript"></script>	





 Advantage - you can hide the code from the users who are accessing the web page

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Parl Scripting (Practical Ex	
	traction and Report I anguage
Terr Scripting (Fractical Ex	
#!/usr/bin/perl	 Line 1: #!/usr/bin/perl
<pre>\$title = "My first Script"; \$greeting = "Welcome to my first script.";</pre>	Every Perl program starts with #1/usr/b It tells the program where to find the Pe interpreter so that the script can run
print "Content-type: text/html\n\n"; print < <eof;< td=""><td> Line 2: \$title = "My first Script"; Line 3: \$greeting = "Welcome to my first script."; </td></eof;<>	 Line 2: \$title = "My first Script"; Line 3: \$greeting = "Welcome to my first script.";
<head> <title>\$title</title> </head>	Lines 2 and Line 3 assigns values to the variables. Variables in Perl are always pr by the \$ sign
<body></body>	 Line 4: print "Content-type: text/htm\n"
<h1>\$title</h1> \$greeting	Line 4 tells the browser that the content in text/html and skips a line
	 Line 5: print <<eof;< li=""> </eof;<>
EOF	EOF
	This print command tells the program to





























- FTP is an acronym for File Transfer Protocol.
- A protocol for transferring files over the network from one computer to another
- The well-known port 20 is used for the data connection and well-known port 21 is used for the control connection

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Components of SNMP

- **The protocol-** defines the functioning of the basic operations of SNMP
- Structure of Management Information (SMI)- a set of rules used to specify the format for defining managed objects or the devices that are accessed using SNMP
- Management Information Base (MIB)- a collection of definitions, which define the properties of the managed object or the device

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- Domain Name Service (DNS) provides the translation between hostname and IP address.
- DNS uses the UDP protocol and port 53
- Domain name space (tree) is divided into three different sections. generic domains, country domains and inverse domains

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Mail Message Formats

- SMTP is designed to carry text messages using 7-bit ASCII codes
- MIME is an acronym for Multipurpose Internet Mail Extensions

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- MIME provides a way for non-text information to be encoded as text.
- This encoding is known as base 64















