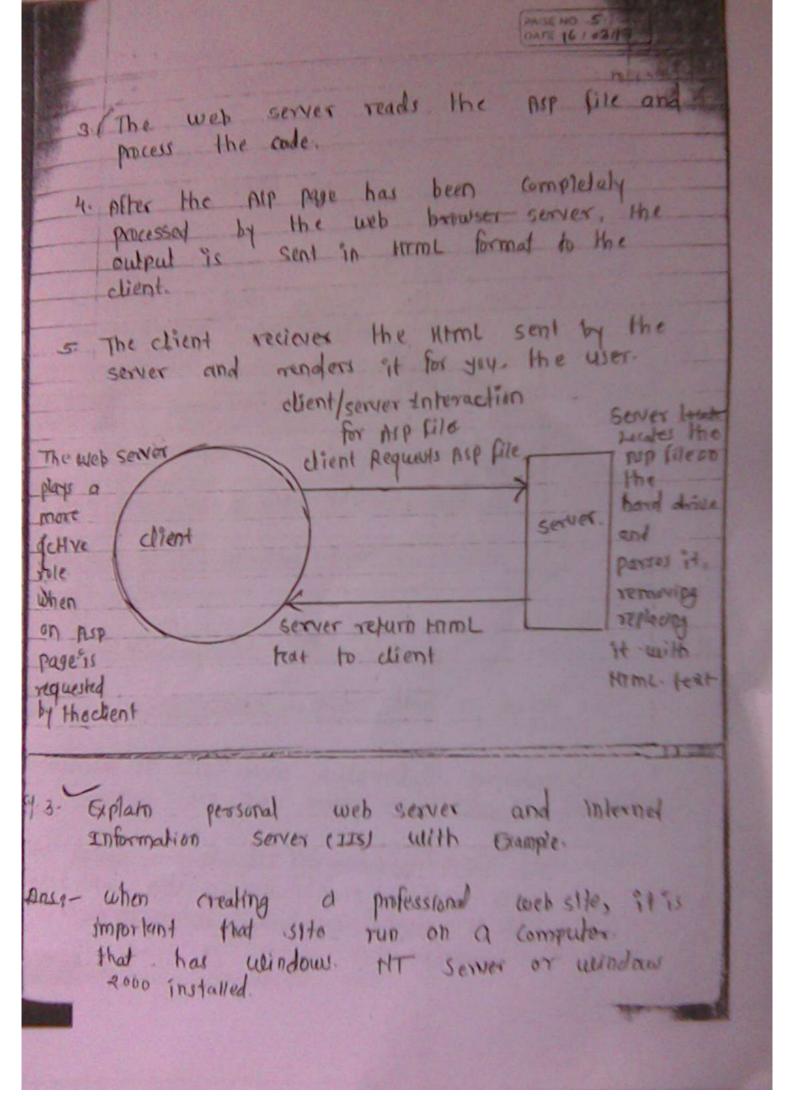
| distribution to server and  | e pregramming   |  |  |
|---|---|--|--|
| gal or Differences Between client-side scripting and server side scripting (nsp). |   |  |  |
| gittless able boats was drive   | server side scripting   |  |  |
| not processed at all by the was server, only by the client.                       | processed completely on the                                   |  |  |
| 2. It is the clientis responsibility to execute any and all client side Scalpt    | the client does not receive any code from server-side sompts. |  |  |
| 3. 445 is not self memory.  | the is self memory.   |  |  |
| 4: Its can dake any in  | the date only in time   |  |  |
| 5 Encading  | dending   |  |  |
| 6. Information access for need to Josephe For posite.                             | hocalbut tyre.  |  |  |
| 7 This "is process fister process   | This is proslow process                                       |  |  |
|   |   |  |  |
|   | -   |  |  |
|   |   |  |  |

16 00 1% It extension . ASP 0 8 11 extension . Home It use dynamic act page for 9. It use state web desyne page for designe 10 css 9s possible to be ses con't be blocked by worked by the wer the wer 11. Css return in lapper 5ss return in lappunge ge such as Java | such as PERL, Php, Aspend, script and NB Script JANA etc. 12 It's use both thuseonly YB script language Java Suipt and VB 13. It required of the not required of security. secunity

16 03 54 ales to the antents client in terms form 4. The client receives the Hime sont by the server and senders it for you the user The client requests a web page The Internet from the senior is based on client a client slake The server return the malel eeb page to the client Fig: - 1 client side model-Asp page contains a combination of more and programmatic rode · This code , which can be written in many different language, allows ASP pages to be dynamics howard: the web sover has h process this programmatic and before sending the Home to the object. . When a map purment sedents ou set best the following steps occur-1. The client locates the web server specified by the first parts of the URL 2. The client then requests the ASP per page specified by the second put of the upl.

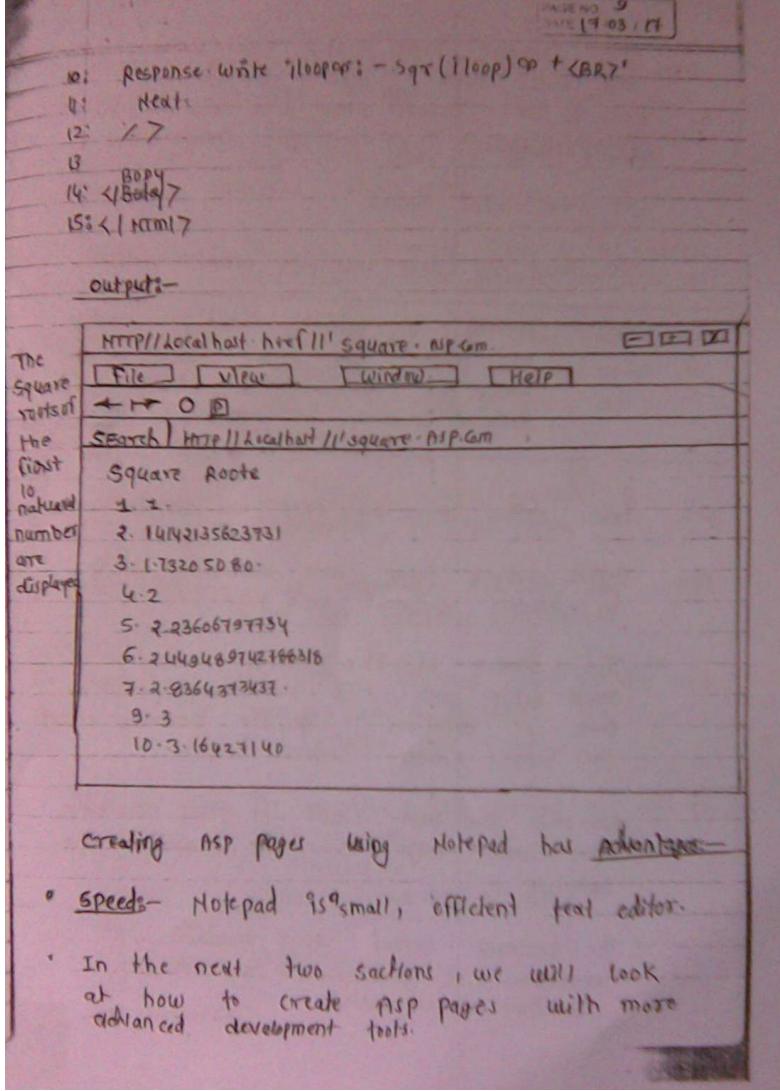


not many people run windows. HT server or windows 2000 instalted on their personal computers. For this reason microsoft created a stripped -down years of its professional web senter. This stripped-down version is called personal web server and is intended to run on Microsoft Windows 95 or 98 00, personal Mep server stupuli install space on your default web pict virtual soulus 4-setupuall install this folder on your default Fit although st setup utill installed application files in this folder y . 741, 50 KAACKT [HEXT] [ancel · When a deformation some street is ITEL! - ... · Internet Information Server (IIS) is microsoft's professional web server. . The latest vasion of IIs 95.50 which strips alith windows 2000. ASP 3.0 ships with 21550 and is instalted acutomatically when IIS 50 95 installed.

- que. Greate an Asp page for calculating a compound Interest.
- Ans. Asp pages, like regular HTML web pages, are simply text files on the web server
  - often you we installed the web server, is a test editor is with as notepad.
  - · create our first ASP page using Hotered.
  - e start by opening up notepad (choose start, programs.
  - roots of the numbers between I andio
  - language throughout the remainder of this week

### Schiphy;-

1: </ Oct Language = UBSCRIPT \*>>
2: </ option Explicit \*>>
3:
4: </ option Explicit \*>>
5: </ option </li>
6: 
6: 
7: 
80 Dy7
6: 
80 Dy7
6: 
80 Dy7
7: 
80 Dim 10 op = 1 to 10
9: For 16 op = 1 to 10



- they require more disk space and memory and run slower than Notepad.
- 2. Easy to use ? Because notepud doesn't offer many officers.

  . preadvantages: No. web site maintanenance.
  - · No. color coded syntax
  - . No dray and drop web page creation toots:

Mote: - Notepad 95 Commonly used to creating and editing Asp pages, although 9t Lacks the functionality of editors designed specially for Asp development

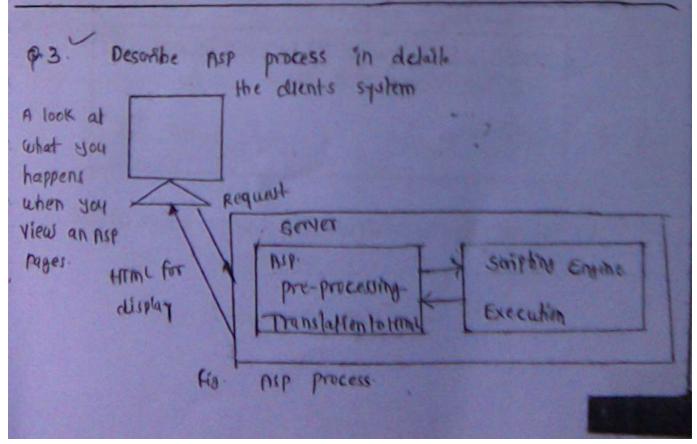
- p-2. poline active server pages (nsp) and script
- Ans. Active server pages are microsoft's solution to creating dynamic web pages.
  - o. The explosion of the Internet and the coord wide web into our everyday lives web site creation is quickly becoming one of the faster growing sectors.
    - seen some major changes concerning the
      - . The Internet served as a medium for members of government and education Institions to Communicate.

DATE 171 631 11 . The advent of world wide web, the Internet became a multimedia, wer-friendly environment, Active server pages contain two pasts:

programmatic code and embedded trime The programmatic code can be written in a number of scripting languages.
There are two types of Asp:-· 1 programmatic code a. Embedded HTML. e Ascripting Language 1s a particular syntax used to execute command or a computer. particular scripting languages is referred to as a soipt · some popular Web-related Scripting languages
include YBscript and Javascript, when credit an ASP page , you can we one of four programming languages: -Commonly used scripting language for Active server prom. Tscript — similar to pavascript
perscript:— similar to perl Python:- A powerful scripting languages commonly wed for web development

- most asp pages are careled using vascorpt.
- the our scripting languages and is similar to visual Basicis syntax, which many web developers have Experience with.
- recall that an hip page an contain embedded
- this allows for existing static web pages to be easily converted into dynamic asp pages.
  - · Finally an Asp page must Gottain at Asp Extension.

Mote: - Throughout this book we will present Examples using vascing



PACH NO 13

- through to send 9 pye to the user
- " There are five Stages that we will concern ourselves with at this point
- 1- Request: The web browser contacts the server of and tells "It what pages "It wants to see.
- Preprocessing: The Aspedic files does some initial pricessing on the requested south at the miment I you do not need to worry about what His processing is.
- 3. Execution: The soripting engine executes the Instructions in the tomat
- 4. Translation: Asp translation translates the results of the execution into Himl
- 5 Displays The HTTDL is sent back to the web browser, which processes the tegs and displays the page

The Asp codo is separated from normal hap code by one to of two sets of tages.

The Asp codo is separated from normal hap code by one to of two sets of tages.

The Asp codo is separated from normal hap code by one to of two sets of tages.

The Asp codo is separated from normal hap code by one to of tages.

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The Asp codo is separated from normal hap code by one to of tages.

The Asp codo is separated from normal hap code by one to of tages.

2% Response. write " Hello"-17

5 & Find all the uses of Response white in this script

Find all the uses of the shortcut atternative to Response write in this soupt

7. convert the shortcut into a Response white

### Q4. What poes Response write poz

- This subject will be overed in greater detail on day 7. 11 using the Tex Response object "
- For now, you only need to know that Response write 9s used to go from Asp on the sever to the Home seen in the user's wich browser.

For Example consider the following code -

L B7

<91.

Response. Write 11 Hullo 11

1.7

X187

The next "tiello" 4s sent to the output Stream.

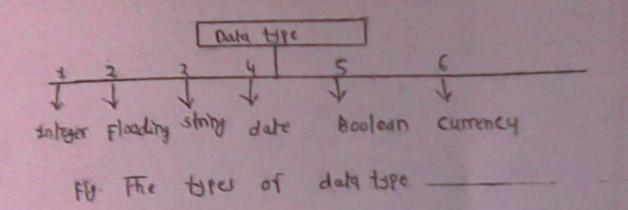
" The yesult sent to the user 95x07 Hellox107 see the world word " Helle" prehed in bad Free

```
WASE WATER
of the nort written x1/4
 Response carited Hellalishy
Scriphing Examples-
Serif.
  I KING Languages = VB scripting
  2: 4% option explicit x>
  31 KHOWLT
  4: < Books
  5: I an count to liver
      <9.
         Response write & BR71"
         Response write's BR>2"
         Response with 114 BR73"
       Rayonse . write 1120R74"
  10:
  11:
       Response - consta" < BR75"
  123
       -67
  B:
       KIBOUY 7
   14:
       4 HIMLY
```

|   | HITPULocal Hastil" surenday. Ast. com. = 100 |                                      |   |
|---|--|--------------------------------------|---|
| 1 | Search                                       | HTTP// Local Host 11" Swendry Asprom | A |
| 1 |  | count to livel                       |   |
| I |  |                                      |   |
| Ł |  |                                      |   |
| В |  |                                      |   |

fis. above figure output of Response write obsert

- 9.1. Explain the operator various data types used in VB script with Example
- Ans para types: There are many different of data
  that can be store as a valiable
  like Number, word, date, and boolean ele-



I Integer - Integer 9s a whole that is a number with the fractional format

For Example: one , three, nine, teni

- · two other type of date one related to the integer byte and long.
- · A long can store alonge range of Number then the integer
  - a byte store a very few.

2. Floading point Humbers- This Humber has a decimal or afractional

Example: 1.51 2.5 elc.

(b) Single and double data Types:-

data Types are associated with Avading point

Double requirefluich as much memory as single

- 3. String: A string can whole any sequence of Letter, Number, and symbol, string are different from code.
  - " Namable Humbers and by putting then between " my Name "is surendra".
- 4. Date: A Mine feature VB soulpt it can a date or a Hime hence It handle the data Function correctly.
- · A date variable can whole either a date a us
- 5 Boolean: Boolean Variable may whole hold a value of either trues or false

- · This variable are generally used when a diasion should taken.
- . This is done with control structure.
- 6. <u>currency:</u> A single precision word, fine:

  Number for storing a monitoring

  Value but VB suript provided a special

  data types formally that work with

  Several special VB script function.
- · The function used is formate currency which allow you to customize currency value are display.

#### q. \*2 DEExplain Declaration of 48 variable

- Ans. In VB script "It "is not necessary to specify integer, real, character, whatever, we create a variable.
  - using a keyword dim (dim my variable 1,2,3)
  - " Here the first line dedared my Variable without specifying that my variable is a integer Number.
  - of It is not necessary to 9t would be as soft table to simply use the second the this type of declaration is called implicit

Declaration use option of implicit VB script require explicit declaration of one in variable the below program the following program altestrat allustrat the concept of explicit declaration Variable. Scripting < 1/2 @ hanguage = VB Schp1º1.7 L'1 option explicit 1.7 Xx my and variable = z> X HTTML 7 4 Body7 The Variable named 11 my first variable has a value at X1/1 Respinse write (my first variable) 1) <1body7 < LHTML) 9-3. Con Explain constants? Ans. A constant is letter like a variable in the you give it name an stored date init · VB—script have a constants has a several constants built into 9+ · some of constant are VB Empty an It Value 95 zero

- · This is types four variable that has
- 2 VR null data type in defining a value is not.
- 3 VALORY: For long data type VB single for single data types
- 4. VB doubles- For double data types
- 5. VB currency: For currency data bees
- 6. YB string date: For string date topu.
- 7 va object For object data types
- 8 VB Boolean: For boolean data types-
- 9. UB error :- for error data types
- 10. VB occess object: For access date object
- 11 VB decimal: For decimal data types.
- 12 NB byte: For VB byte date type
- 9.4. program For demonstruction of Assignment operator

DOL 1: < 1. @ randrade = 18 201444)

2: < % option explicit %7 3: < P. Dim startame, inge 4: 1/17 5: KHTML7 6: < Body7 ギイソ 8: Response : write l'Before assignmenting a value strolome hai valuely 9: Response, write (strame) 10: 1/07 11: KBRT 12: 4% 13: Strname = "Jume" 14. 1Age = 21 15: Response write ("How stroome has value") 16: Response write (str Name) 17: 17.7 18 X8R7 19: 4./1 20: RESPONSE. While ("HEW TAME has Value") 21: Response. With Cingo 22: 1/17 23: <1 Body7 24: THIMLY

- " hine three declares the two variable we will use as HTRHome and it.
- dine a and lines write a massye that demostrated the value that tirkne has

before we we the assignment operator to set it.

- · line 13 and 14 set the value to the two
- . Line 15 and 16 so the New Value given to
- · Line 20 and 21 desplay the New Value givento

9.5. What is short Notes mathematical operator?

Ans Hithl: - Here we put value input variable va script methodal operats includes

· additions, subtraction, Hegations, multiplexaction pivision and exponentiation, integer division, modulars and string concation but.

Hith cookies

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Hith cookies

Additions subtraction multiplexcation pinision degation Experient

Fig. types of cookies

1. Addition: — Titles the from agrument +

were each argument may be Number a Numbe numerial Variable or other Humerial expression. L'h dem I some equal to 3+5 . This is one of simiplest case were both argument are number. . when the code is run the variable i some ends with 9 value of 8. 2. <u>substraction</u>:— The substraction work like addition, taking the form argument. In the following code the code 9s finished. </ >
in icount 1 count =3 i count = i 1 count = 1 count -2 %7 The Value which will be get. 3. Muliplexcation The muliplexcation should be represented by asterik multipliates follow the same from a the other options is covered think about the expression three

asterisk 5+2

If we perform the result 95 17
3×(5+2)

If we put three parts parenthists after the result we up 21

- 4. Division: VA script have two different kind of division.
- (1) like integer division: 5/3=1. in

  the value or return will be why in

  modular 5/3=2

sted Exponention is vB:-

The Exponention operator is NB represented by correct 303 = 27

- 5. <u>Megallon</u>: Megallon is operation that
  (overs a positive number
  to converts a Megallor Humber and
  voice etc.
  - Megation "is denoted wife the same symbols- dash (-) commes) str subtaction.

# 9.6 Explain the Logical Operators?

And Logical operators are also called Companision operators there are and or denote, exclusive, Equivalent and Implecation.

| operator | True when               | false when               |
|----------|-------------------------|--------------------------|
| A AND B  | A and B both true       | Either Aox B is fase     |
| RORB     | one of A or B is true   | Both A and B one false   |
| NOTA     | A "is falso             | A 9s true                |
| A XORB   | A or B is true but not  | Both true or false       |
| A Eqv. B | Both false or both brue | one is false or other is |
| A Imp B  | Als false or Bis frue   | A 95 and frue als        |

hysical operator are usually put to getter with Comparision operator in the same line

Example: (3:47 PHD (445)

True evaluation to true

Companision operator: or (Relational operator)

|                                 |                        | The second secon |
|---------------------------------|------------------------|--|
| openator                        | True when              | fuse when  |
| D=B                             | n and B are the Same   | nand 8 are<br>different  |
| AZB                             | A Large than B         | A same as or smaller than 8.   |
| RKB                             | Asmaller than B        | n same as or bigger then 8 B. A -bigger then 8   |
| AT=B A I                        | bigger than or same    | A blyger thank   |
| A<=8                            | A smaller than or same | A boser Hens   |
| AZTB                            | A end B different Asr  | nuller hands than Same.  |
| 37 4 FUSE<br>574 Tru<br>47=3 Tr | 10 227 9 True          |  |
| The companies to the follow     | vo ordinant            | and evaluates  |
| the above                       | are Companision        | operator   |
|                                 |                        |  |

WOLL - A Wa Easter control structures control structurer - A control structure to a bishampled springer that allow you prepared to make diamen best on the Intermation It is given. - st is given A propriam also follows the some sequence of steps: could not be very useful! The system carry out the inchrections. from the talk to the buttop buttom. shir control structure gives the program the kind of flexeability and you need than for pages. x Types of controls:-· There are three contro measure types of antrols structure that pragrammer uses. . They allow control you over It, man muin and How many times the & contains instruction are executeded 4. Condition Legic :- control legic allowers Sequence of event to hoppen it certains or all word for all word frozes if you cleck on the file or th the file and then New you are

Scanned by CamScanner

probability presented several options to to count you create.

- are presented with different inter phase, different options, and so on.
- be executed muliple times.
  - If we want you must time its
  - 3. Branching Logic: Branching Legic closly related other two kinds of control Structure
    - · EIt o involves leaving the Hormes follow of program to executed New Sequence of Step.

\* condition logic controls-

- o series of condition on bon based on result chooses what cade should be executed
- 1. If Then statement: The M. then statement

PASE NO. 25

controls structures. It takes the form If condition then code block;

condition is Boolean expressions then conditions

. The for action statement coarry-out and then what evercome after and end It is corry out.

ore skined, and only but after a end

Scripting: - program

1: </->
1: </->
2: </->
4: </->
Changuage = vB soupt 1.7

3: </->
CHINLY </->
4: </->
4: </->
4: </->
4: </->
4: </->
5: </->
4: </->
4: </->
5: </->
4: </->

6: pim theader, stretteromade 7: 100rade = 85

8: If 1 Grade 7= 90 Then

9: Strieller Grade = 11 AV

to: end if

11: "If ( 16 made 7=907 AND Cloprode (20) Hen

12: stretter Crade = B

13: End if

14: If (15reader 7 = 70) AND

15: (1 charade (80) Then 16: stretter header = 11 ell 17: End if 18: IT (96rade 7 = 60) AND 10: (Thea 9 Grade < 70) Then 20: StreffGrade =" o" 21° end if 28: If (ignade < 60) then
28: Stretter Grade = "E" 24: End if 25: Response write firme numerical grade is a Idrade) 26: Response write ("and the Letter grade 15 u as skretter areade) 27: 1.7 28: 1/BODY) RS: KIHIMLY

## 2. If then Elseiner

It is a segment of code that execute only sometimes If then et the condition phase then we can add and else statement in the code down.

If andition then code specks

```
Scripting programs-
        11 47. @ Language = VBScript 1.7
        2: < y option explicit 1.7
        3: 4 HTML7
         4: 4 BodyZ
         5. 2%
         6: pim "theader, stretter trade
         7: If larade 7 = 00 Then
         8: Streeter Grade = 11 A11
         3: Else
          10: If Grade 7 = 80 then
          11: Streeter Croade = 11B1
          12: 8/50
          13: If lande 7 = 70 then
          14: streeter arade = "c"
           15: Else
           16: If Swade 7 = 60 then
           17: Stricter arade = 11011
            19: Else
            13: stelltercurase=F"
            200 end of
            21 - End of
                end of
            22:
3 Nested 95:-
   In Hested if
       Code block 1 is executed
       Mested if is condition is true
```

24 03 rt

The and condition 2 to false.

· code Block 4 25 executed if condition one 11 false requardless andition true

Strutures.

If Condition then
Code Block!

It conditions then
Code Blocks

Blse
Code Blocks

end If
Elso
Else
Code Blocky
End If.

# 4. Select Pf statements

Sequence of codo Block, one of phase will be carry-out depending on the Nature and q or numerical agree or string Expressions.

the syntaxs look like this:-Select Case Expression case Value 1 of

```
11/61/19/17
Code for when expression equals valued
    Case Value2
     Code for when Expression equals values
     Case value N
       code for when Expression equals valuen
        End Select
Scripting Programs
      1: 4% Changuage = VBSoript 1/27
      2: 4% ophen explicit 4.7
      3: 4 Hrm17
          4 BILLYT
      41
      62 4%
         pim Stroperation, string valued, soqualuez
          sny value 1 = 5
          Sing value 2 = 20
          Stroperation = "MWHPPLY"
      9:
          select case, stropporation
      10:
          Caseli Addii
       11:
       12: paspinse write (sny value + sny value)
       13: Outell substractly
       14: case" multiply"
       15: Response write (-11-x-11-)
       16: case " Divide!
       17: Response : Waite (-11-1-11-)
             end select
        18:
        19: 7.7
        20 = 1/pody7
        21: KHTML7
```

- Lopping Logic Control

  Loppin Looping Logic Control 'executed a block

  con of code repeatly ont untile certain

  condition are white Need are while

  Certain condition are frue.
- (a) do hoop statement: do loop to tax one of the two form the the two form the state of code when certain andition are true the second untile loop executed are frue the second until a certain a certain
- The do while loop toat the following

  form

  structure:- Do while condition

  Code Bleek

  hoop:

The code Block is executed as long as

or If Condition is false the Deast time a on an ancounter do loop does not executed.

Sempp

```
scopling program:
          11 27. @ language = VBScript 1.7
          2: 41 option diplicit 1.7
         3: < KTM17
          42' < bady7
          5: 2%
          6: pim 1 count
          7: 1 ount =1
          8: po while icount <= 10
           9: Response write (icount)
           10: 1.7
           11: 4027
           12: - 1%
           13: fcount = icount +1
           14: 100P
            15: 17
            16: 4.0.10147
             17: 1/ HTML7
(a) do unit until . Loop: - do unit statement is
                        art do utile loss
    Statement with only differe with until
    Loop is that is the top called with
  false any thing that one of the
o do un the do loop can do , the other
    con can do also
 " The only difference is wether the
    Godition is setum possetively or news
```

```
following can countings to so societ
     . The
     Them bemostrating
           Scripting programs-
           1: LY-@ Language = VB sonpt 1.7
           2: </ option Explicit 17
           31 4 HOPERLY
            4: 4 Body7
            S: 4.1.
             6: prm 1 count
            7: icount = 1
             8: DO until 1 count 7 10
             9: Response , write Cicounty
             10: 4.7
             11: LBR7
               13: icount = 1 county
               14: 1000
              -. 15: mil.7
                17: < 1 BODY 7
                18: < I HIML?
@x while - wend:
      program scriptings-
                     1:4% @Language = VB script 1/7
                    as 4% option explicit %.7
                    31 × 117ml7
                    4: Lbody7
```

5: 
6: pim scount
7: scount = 1
8: while scount = 10
9: to response writelicount
10: 7:7
11: &BR?
12: 
12: 
13: wand
14: 
14: 
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16: <

- , while -wend statement are the same as the
- · The syntax is included because it is more familier to some programmer.
- the do, while and wend replaces the condition to loop statement.
- . The while-wend statement work exectly the
- For next statements— The for next statement top when the no. of times the ade should execute 95 known before the ade begin

It execute ade block specific no of times while incrementing a counter it takes a following formats.

For counter variable = start-value to step-value step- value

code block Next

- The counter variable 91 9 numeric variable that keep tracks of which time through the loop your are on start-value is the Dart value That counter variable takes
- · The Gost time through the loop i counter variable has a value of startivalue.
- . The next-time through, it takes a value of start-value T step-value.
- · Assuming that step value is positive the Loop keep executing until Counter variable is grater then stop value
- " Each time through counter variable is increased by step-value

simple program:

```
1: Ly. Changuage = NBSUMP+11.7
      2: Lifeaption Explicit 1/17
      3: 4 HTM17
      4: 4 bedy)
      5) 4%
      6: inumber = 6
      7: ifoctorial=1
      8: For 1 counter = 1 to incomber
      9: 1 factorial = i factorial * I counter
      103 Next
       11: 4.7
       12: LIHTML7
       13: 4/body7
9 For Each-Next swement:-
. The for each - next construct is wed to it
through each element in a group.
· suppose that you had an array of trans
 and you wanted to print each name in
  the screen.
' one way would be to use the for-next and
```