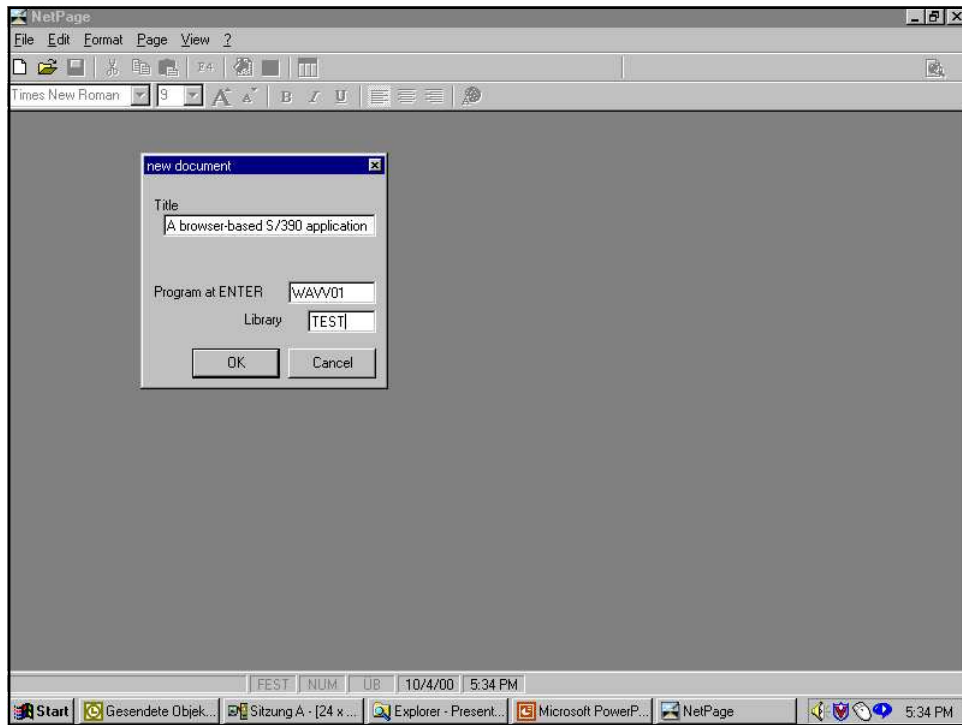# CPG5
...the easy way

Browser-based applications under CICS
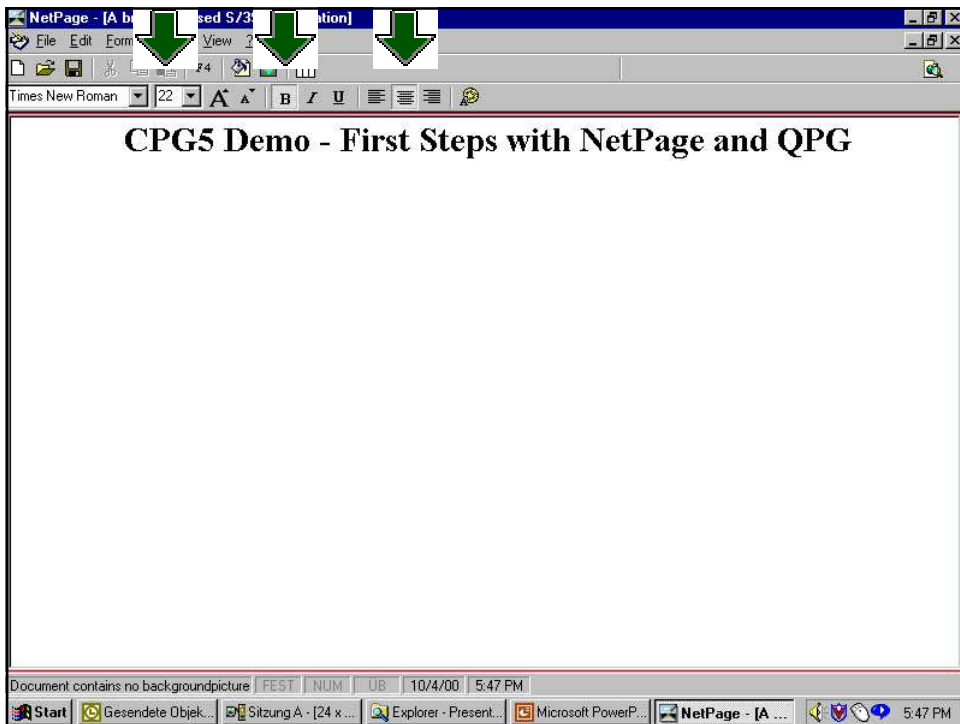
Presentation of an application development

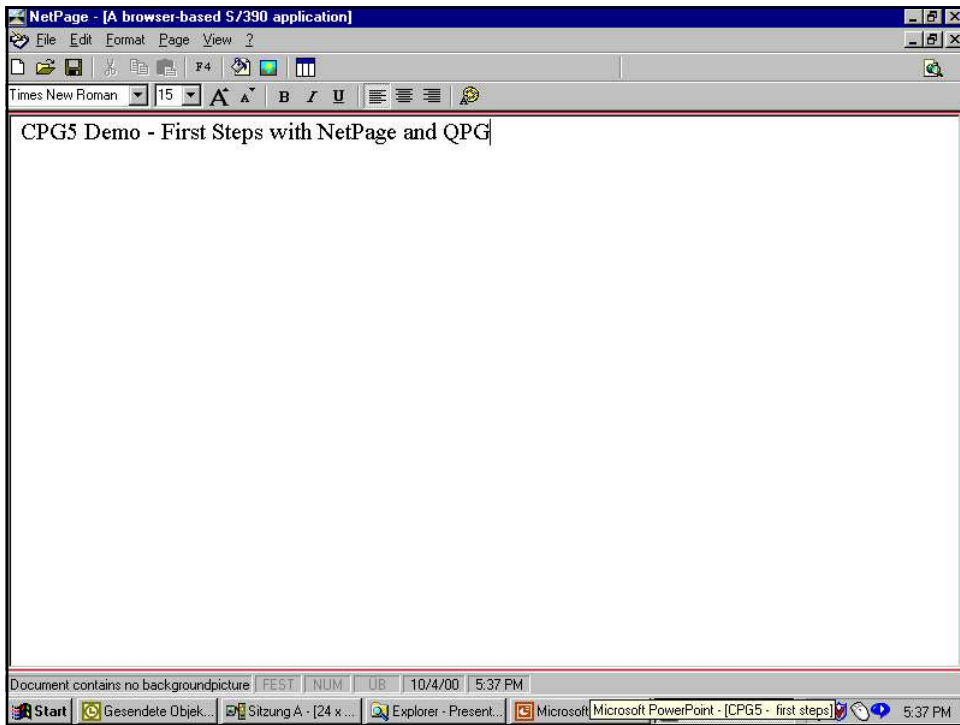---

Step 1
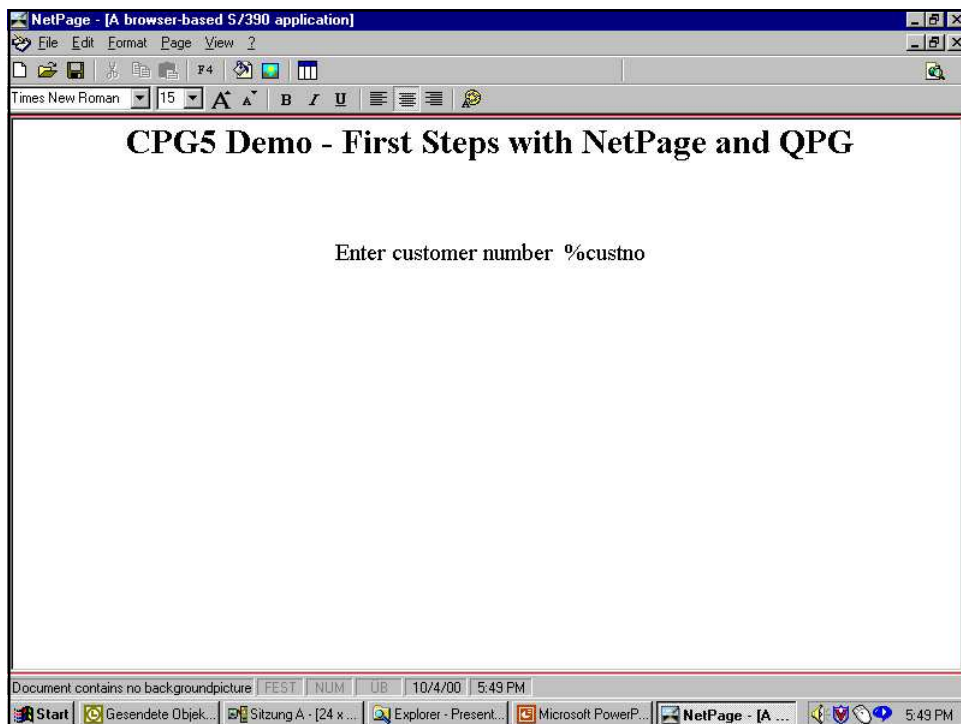
Development of an HTML site

Character Strings

Usual editor features
(font size, color, background color, alignment,....)

Variables

- Identified by a % - character

- Can be   Output Fields, Input/Output Fields, Buttons, Tables, List boxes, Radio Buttons, Pictures, Diagrams, HTML-Code, ...

- Are automatically transferred to the mainframe (and back again)

NetPage - [A browser-based S/390 application]

File   Edit   Format   Page   View   ?

Times New Roman ▾ | 15 ▾ | A A | B I U | ≡ ≡ ≡ |

CPG5 Demo - First Steps with NetPage and QPG

Enter customer number %custno

Document contains no backgroundpicture | FEST | NUM | UB | 10/4/00 | 5:49 PM

Start | Gesendete Objek... | Sitzung A - [24 x ... | Explorer - Present... | Microsoft PowerP... | NetPage - [A ... | 5:49 PM

The Input/Output Field

- Can have edit codes for numeric values

- Can be a hidden field
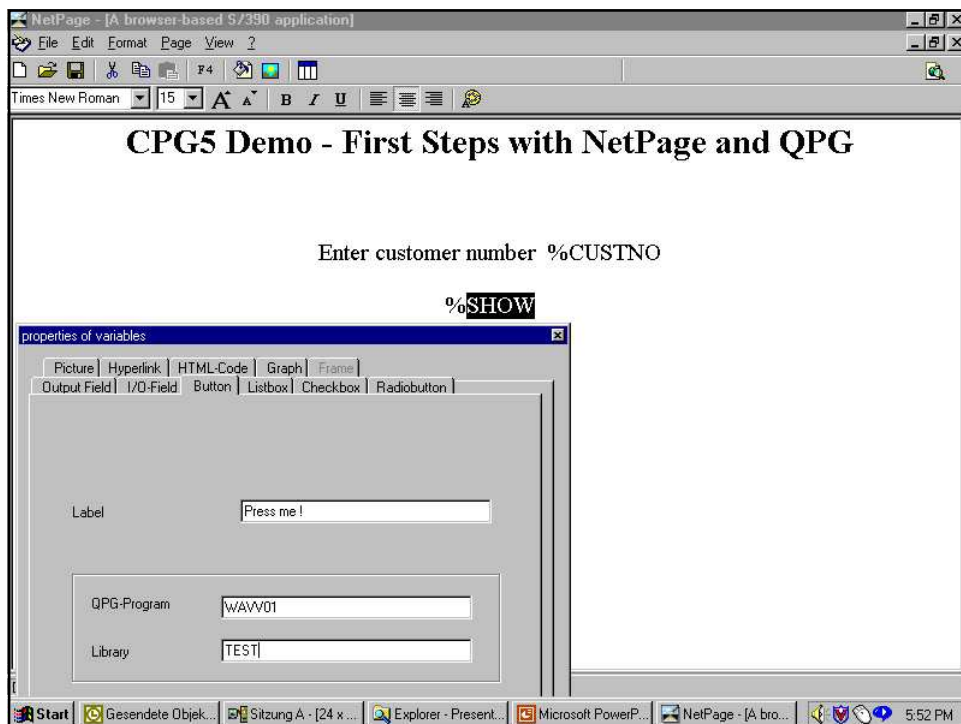
- Can be a password

- Can have variable properties

NetPage - [A browser-based S/390 application - http://intern.lw.de/GSE/WAVV01.HTM]

File Edit Format Page View ?

Times New Roman | 15 | A A | B I U | | | | |

CPG5 Demo - First Steps with NetPage and QPG

Enter customer number %CUSTNO

properties of variables

Picture | Hyperlink | HTML-Code | Graph | Frame |
Output Field | I/O-Field | Button | Listbox | Checkbox | Radiobutton |

Name of variable   CUSTNO

Length (0=unlimited)   5

Output length   5

Type
  Password   ☐   Hidden   ☐

Edit-Code
  (no edit-code)   ▼

Variable attribute
  Variable attribute [   ]

CAPS NUM INS 9/12/01 10:26 AM

Start | Gesend... | Sitzung... | Google-... | Sitzung... | AW: Hal... | Microsof... | Explorer... | NetPag... | 10:26 AM

A Button

- A button is another type of variable

- Calls a program on the Mainframe

- Is activated by mouse click

CPG5 Demo - First Steps with NetPage and QPG

Enter customer number %CUSTNO

%SHOW

properties of variables

| Picture | Hyperlink | HTML-Code | Graph | Frame |
| Output Field | I/O-Field | Button | Listbox | Checkbox | Radiobutton |

Label   Press me !

QPG-Program   WAVV01
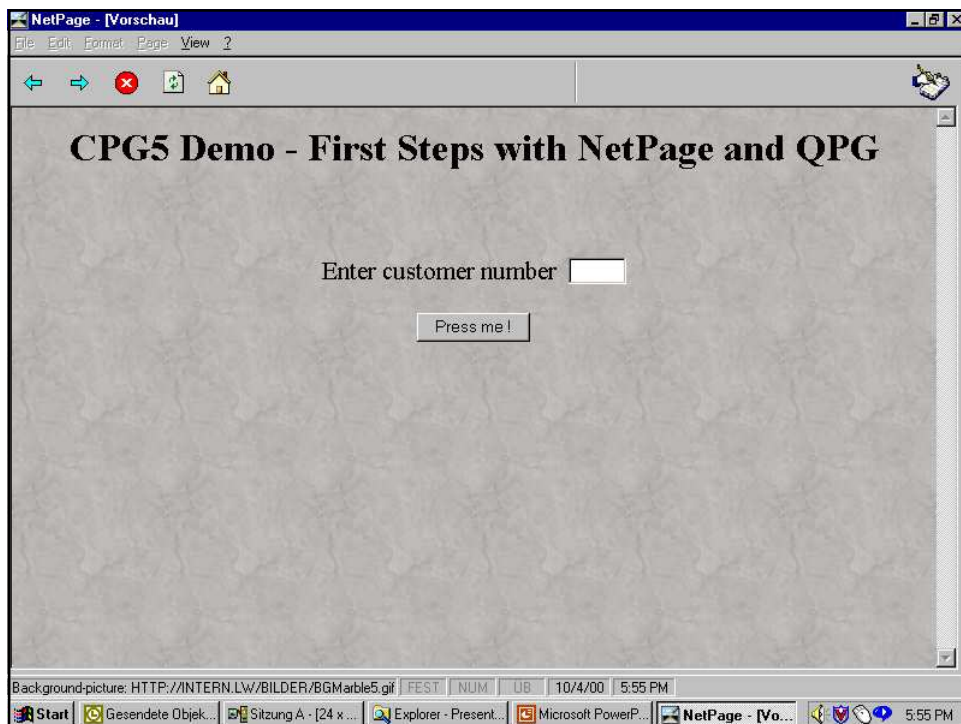
Library   TEST

Background

- Background Color can be selected

- Background Images are supported (e.g. corporate design)
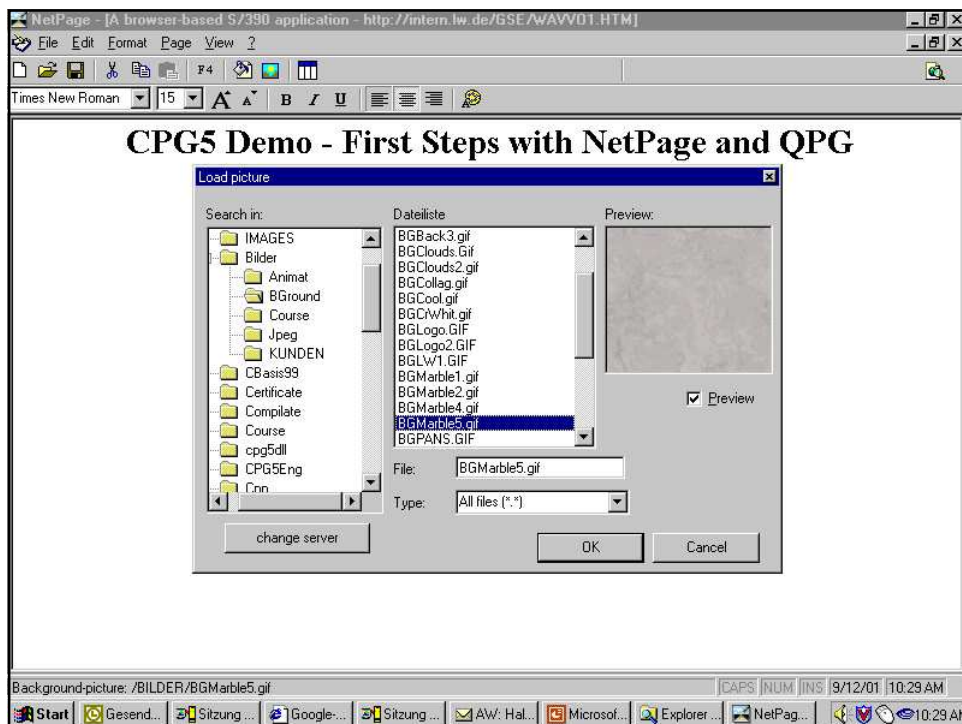
The Preview

During development, you can click an icon to have a preview of your design
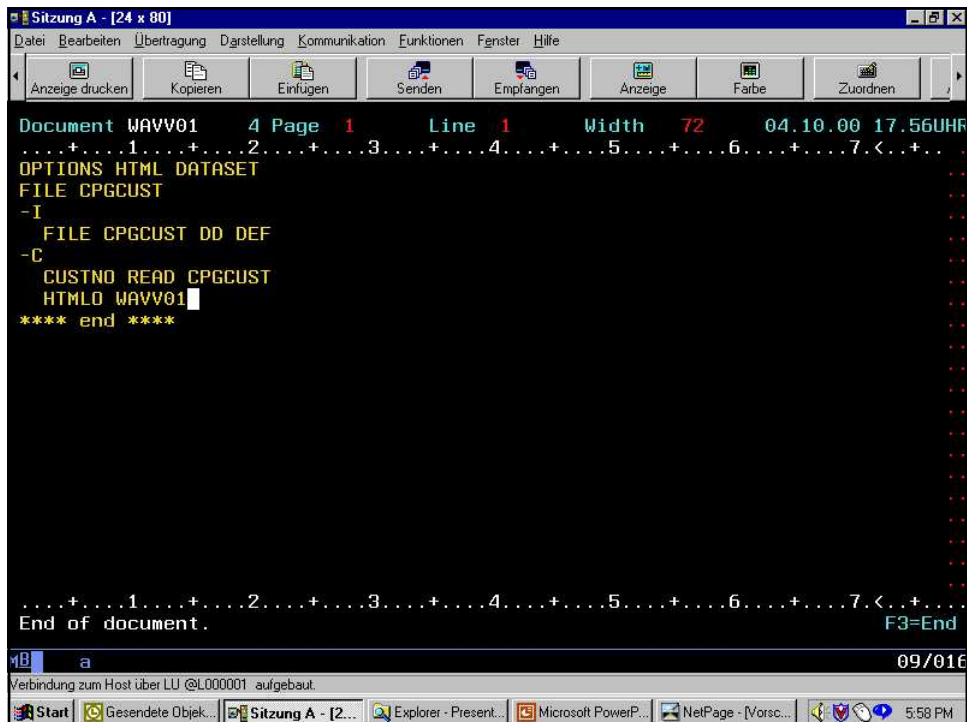
Step 2

Write a mainframe program

Editor and Just-in-Time-Compiler
are elements of CPG5

The Program Code

- Set OPTIONS HTML for browser-based
  application

- Define the file CPGCUST

- Describe the input from the file using
  its description in the Data Dictionary

Just 5 lines of code
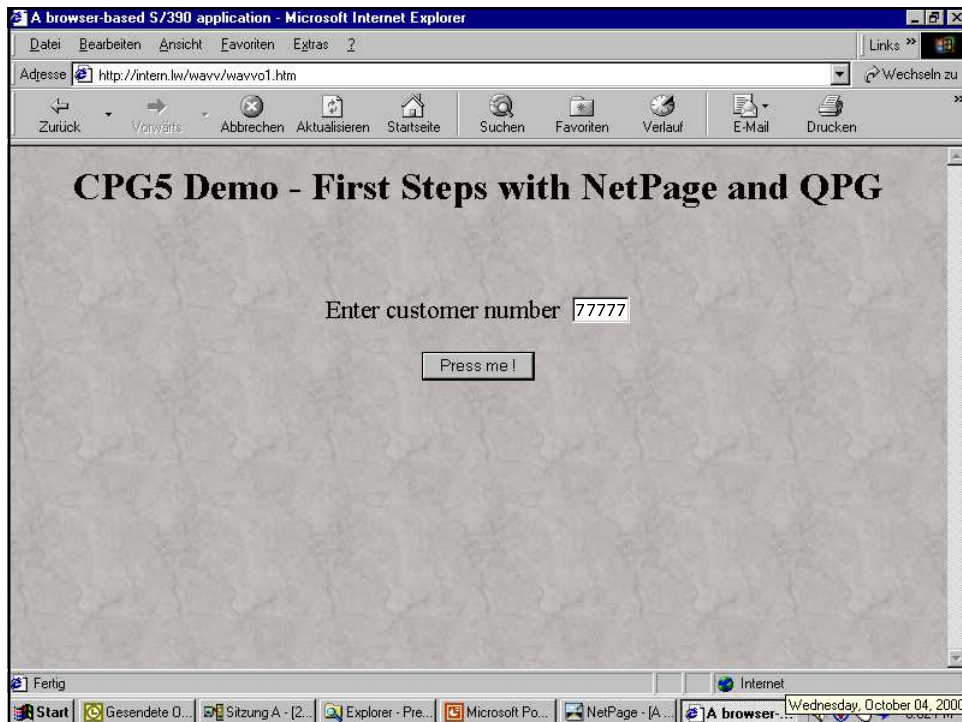
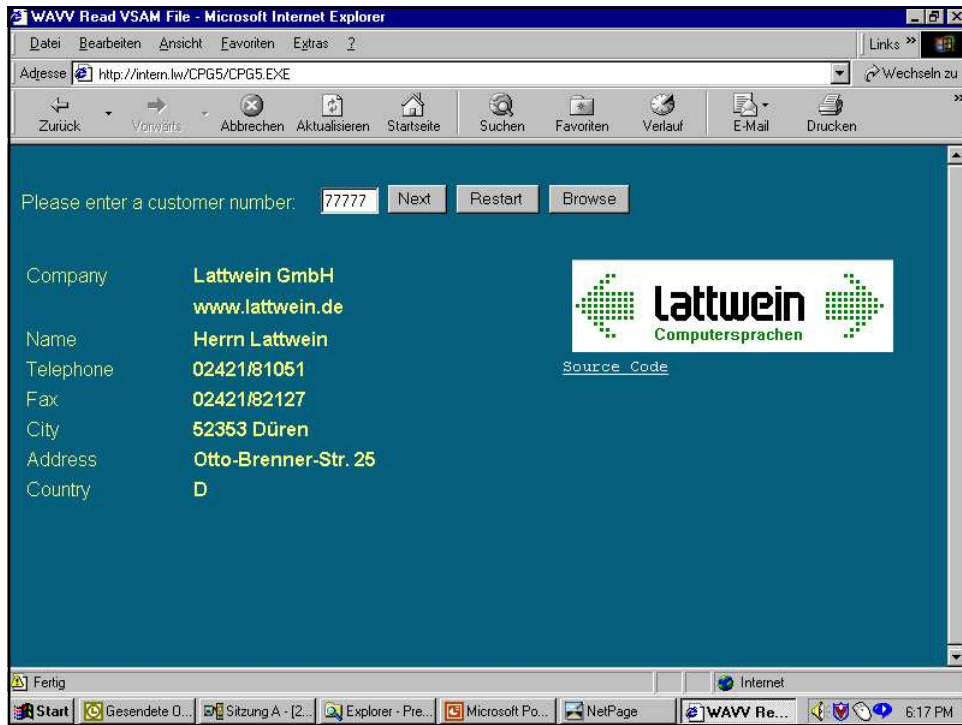- READ reads a record of the file.

- HTMLO sends the HTML output

```
Document WAVV01    4 Page  1      Line  1      Width   72      04.10.00 17.56UHR
....+....1....+....2....+....3....+....4....+....5....+....6....+....7.<..+...
OPTIONS HTML DATASET
FILE CPGCUST
-I
   FILE CPGCUST DD DEF
-C
   CUSTNO READ CPGCUST
   HTMLO WAVV01
**** end ****




....+....1....+....2....+....3....+....4....+....5....+....6....+....7.<..+...
End of document.                                                      F3=End
```

The Result

1. Start Site
2. Resulting Site

Datei   Bearbeiten   Ansicht   Favoriten   Extras   ?   Links »

Adresse http://intern.lw/CPG5/CPG5.EXE   Wechseln zu

Zurück   Vorwärts   Abbrechen   Aktualisieren   Startseite   Suchen   Favoriten   Verlauf   E-Mail   Drucken

Please enter a customer number: 77777   [Next]   [Restart]   [Browse]

Company   **Lattwein GmbH**
               www.lattwein.de

Name   **Herrn Lattwein**
Telephone   **02421/81051**
Fax   **02421/82127**
City   **52353 Düren**
Address   **Otto-Brenner-Str. 25**
Country   **D**

lattwein
Computersprachen

Source Code

Fertig   Internet

Start | Gesendete O... | Sitzung A - [2... | Explorer - Pre... | Microsoft Po... | NetPage | WAVV Re...   6:17 PM

Our Approach

- ■ Development of browser-based applications with Mainframe programming skills

- ■ As easy and as quick as possible

- ■ Unexpensive