

```
/*
PAGEDIR.C -- Display page directory in Windows Enhanced mode
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*/
```

```
#include <stdlib.h>
#include <string.h>
#include <dos.h>
#include "windows.h"
#include "protmode.h"
```

```
void fail(char *s)
{
    MessageBox(NULL, s, "PAGEDIR", MB_OK);
    exit(1);
}
```

```
static char buf[1024] = {0};
static char title[128] = {0};
```

```
int PASCAL WinMain(HANDLE hInstance, HANDLE hPrevInstance,
    LPSTR lpCmdLine, int nCmdShow)
```

```
{
    const DWORD far *pagedir;
    int i;
```

```
    /* map page directory into program's address space */
    pagedir = get_pagedir();
```

```
    wsprintf(title, "PAGEDIR - Physical %08IX - Linear %08IX",
        pagedir_phys, pagedir_lin);
```

```
    strcpy(buf, "PgTab\tPhysical\t\tLinear Address Range\n");
```

```
    /* for each possible page directory... */
```

```
    for (i=0; i<1024; i++)
        if (pagedir[i] & 1) // present bit
        {
            char tmp[64];
            wsprintf(tmp, "%u\t%08IX\t%08IX-%08IX\n",
                i,
                pagedir[i] & ~4095,
                0x400000L * i, (0x400000L * (i+1))-1);
            strcat(buf, tmp);
        }
```

```
    MessageBox(NULL, buf, title, MB_OK);
    free_mapped_linear(pagedir);
    return 0;
```

```
}
```