

The screenshot shows the Visual Studio Code interface with a dark theme. The Explorer sidebar on the left lists files in a folder named 'DSA': f.exe, fact.c, fib.c, large.c, p.exe, and t.exe. The 'fact.c' file is selected and open in the main editor area. The code implements a recursive factorial function:

```
#include <stdio.h>
int fact(int n)
{
    if(n == 0 || n == 1)
        return 1;
    else
        return n * fact(n-1);
}
int main()
{
    int n;
    printf("Enter a number: ");
    scanf("%d", &n);
    int result = fact(n);
    printf("Factorial of %d = %d", n, result);
    return 0;
}
```

Below the editor, the terminal tab is active, showing command-line history:

- PS C:\Users\Sachith Nandakumar\Desktop\DSA> gcc fact.c -o t
- PS C:\Users\Sachith Nandakumar\Desktop\DSA> ./t

The terminal then prompts for input: "Enter a number: 5". It displays the output: "Factorial of 5 = 120". The status bar at the bottom indicates the current line (Ln 24), column (Col 1), spaces (Spaces: 4), encoding (UTF-8), and line endings (CRLF). It also shows the user is signed out and provides links for Go Live and Win32.