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Pattern Matching

Code Id	27
Date Updated	3/7/2010
Title	Pattern matching
Description	

This program searches and matches a particular pattern form a given string/senten

Codes Snippet

```
#include
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main()
{
    char text[25],pattern[80];
    int position;
    puts("\nEnter the text :");
    gets(text);
    put("\nEnter the pattern for matching");
    gets(pattern);
    position=pmatch(text,pattern);
    if(position == 0)
        printf("%s does not exist in %s\n", text, pattern);
    else
        printf("%s starts at %d\n", text, position);
}/*End of main()*/
int pmatch(char text[], char pattern[])
{
    int matched, i, j, k = 0;
    if(strlen(pattern) > strlen(text))
        return 0;
    for(i=0; i<=strlen(text); i++)
    {
        k=0;
        for(j=k; k<=strlen(pattern); j++,k++)
        {
            if(pattern[k]!=text[j])
            {
                matched = 0;
                break;
            }
            else
                matched = 1;
        }/*End of for*/
        if (matched == 1)
            return (i+1);
    }/*End of for*/
    return 0;
}/*End of pmatch*/
```

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