

```
#include <stdio.h>
```

```
#include <string.h>
```

```
int substring(char *mainstr,char *substr);
```

```
void main() {
```

```
    char mainstr[100], substr[50];
```

```
    int pos;
```

```
    printf("Enter a larger string: ");
```

```
    gets(mainstr);
```

```
    printf("Enter a substring to search for: ");
```

```
    gets(substr);
```

```
    pos= substring(mainstr, substr);
```

```
    if (pos == 1)
```

```
    {
```

```
        printf("Substring found");
```

```
    }
```

```
    else
```

```
    {
```

```
        printf("Substring not found\n");
```

```
    }
```

```
}
```

```
int substring(char *mainstr,char *substr)
```

```
{
```

```
    for (int i = 0; i <= strlen(mainstr) - strlen(substr); i++)
```

```
    {
```

```
        int j;
```

```
    for (j = 0; j < strlen(substr); j++) {  
        if (mainstr[i + j] != substr[j]) {  
            break;  
        }  
    }  
    if (j == strlen(substr)) {  
        return 1;  
    }  
}  
  
return -1;  
}
```

Output:

```
Enter a larger string: useful  
Enter a substring to search for: use  
Substring found
```