

```
#include <stdlib.h>
```

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

```
/* Recursive way to do fprime */
```

```
void fprime(int nb, int a, int i)
```

```
{  
    a++;  
    while (nb % i != 0 && i < nb)  
        i++;  
    if (nb % i == 0)  
    {  
        if (a != 1)  
            printf("*");  
        printf("%d", i);  
        if (nb != i)  
            fprime(nb / i, a, i);  
    }  
    else  
        printf("%d", nb);  
}
```

```
int main(int ac, char **av)
```

```
{  
    if (ac == 2 && av[1][0] != '\0')  
        fprime(atoi(av[1]), 0, 2);  
    printf("\n");  
    return (0);  
}
```