

```
/*A application of stack(=recursion)*/
```

```
/*factorial of a no.(using recursion)*/
```

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

```
int fact(int x);
```

```
int main()
```

```
{
```

```
    int n,p;
```

```
    printf("enter the no: ");
```

```
    scanf("%d",&n);
```

```
    printf("\n");
```

```
    p=fact(n);
```

```
    printf("the fact of the no:%d",p);
```

```
    printf("\n");
```

```
}
```

```
int fact(int x)
```

```
{
```

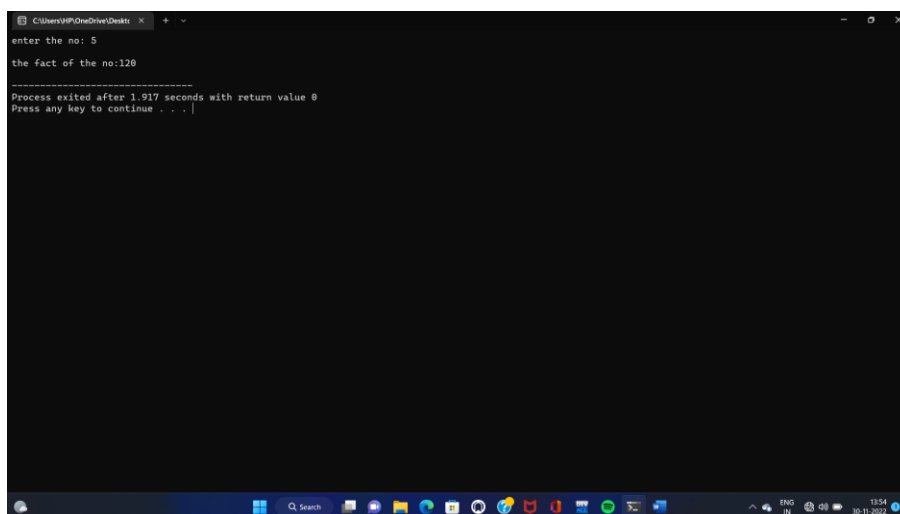
```
    if(x==0 || x==1)
```

```
        return 1;
```

```
    else
```

```
        return x*fact(x-1);
```

```
}
```



```
C:\Users\HP\OneDrive\Desktop
enter the no: 5
the fact of the no:120
Process exited after 1.917 seconds with return value 0
Press any key to continue . . .
```