

```
/*factorial by using function & recursion*/
```

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

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

```
int main()
```

```
{
```

```
int n,p;
```

```
printf("enter the value of n\n");
```

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

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

```
printf("result : %d",p);
```

```
return 0;
```

```
}
```

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

```
{
```

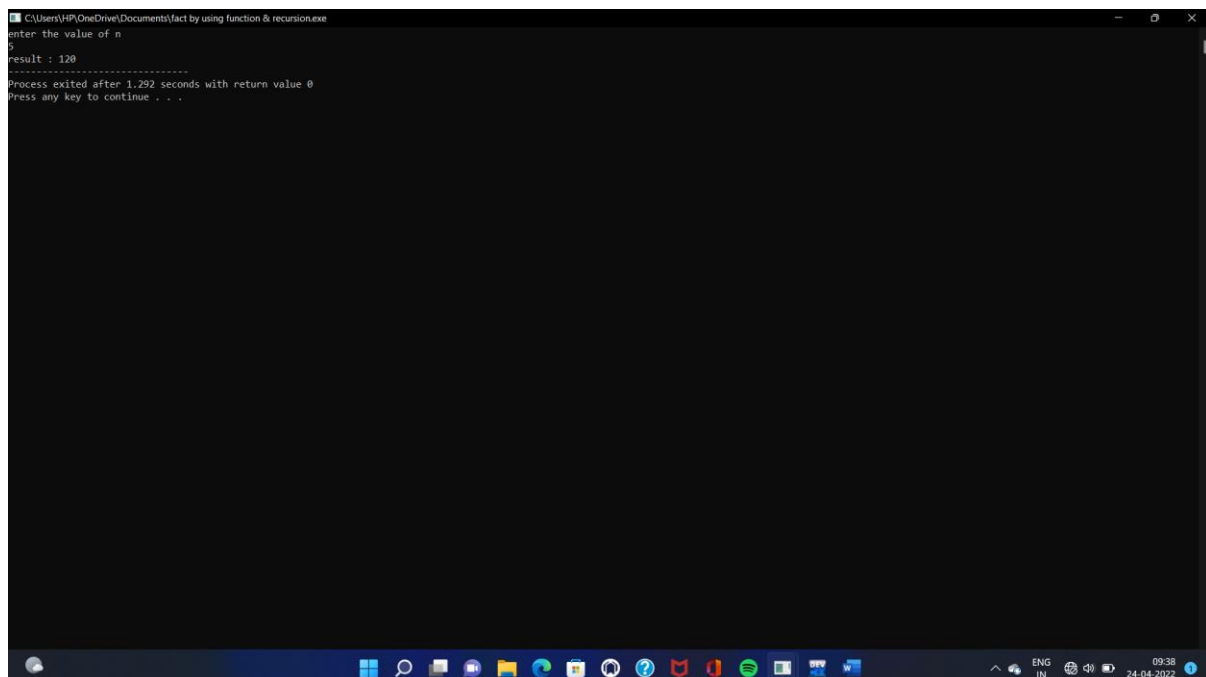
```
if(x==0 || x==1)
```

```
return x;
```

```
else
```

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

```
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\HP\OneDrive\Documents\fact by using function & recursion.exe". The window displays the following text:

```
enter the value of n
5
result : 120
-----
Process exited after 1.292 seconds with return value 0
Press any key to continue . . .
```

The Windows taskbar is visible at the bottom, showing the Start button, search icon, and several application icons. The system tray on the right indicates the language is "ENG IN", the time is "09:38", and the date is "24-04-2022".