

`/*factorial(iterative method)*/`

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

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

```
int main()
```

```
{
```

```
    int n,p;
```

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

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

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

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

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

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

```
}
```

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

```
{
```

```
    int i,m=1;
```

```
    for(i=1;i<=x;i++)
```

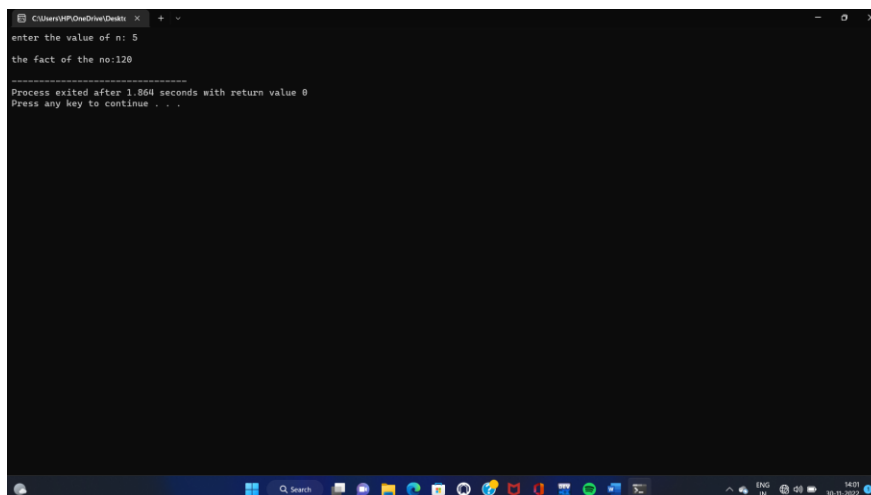
```
    {
```

```
        m=m*i;
```

```
    }
```

```
    return m;
```

```
}
```



The screenshot shows a Windows command prompt window titled "C:\Users\HP\OneDrive\Desktop". The program prompts the user to "enter the value of n:" and the user has entered "5". The program then outputs "the fact of the no:120". Below this, it shows "Process exited after 1.864 seconds with return value 0" and "Press any key to continue . . .". The Windows taskbar is visible at the bottom, showing the Start button, search bar, and several application icons. The system tray on the right shows the date and time as "14:01 10-11-2022".