```
from scipy import stats as st
x=float(input("Enter the probability density"))
dof1,dof2=int(input("Enter the degree of freedom 1")),int(input("Enter the degree of freedom
alpha=float(1-x)
F_dis=round(st.f.ppf(alpha,dof1,dof2),5) # calculating distribution
print("F-distribution is:",F_dis)
F_dis0=round((1-st.f.cdf(F_dis,dof1,dof2)),5) # initial
print("initial value is:",F_dis0)
```

```
Enter the probability density0.75
Enter the degree of freedom 14
Enter the degree of freedom 23
F-distribution is: 0.4886
initial value is: 0.75
```