

```

0001 clc
0002 disp("Abhinav chaudhary")
0003 disp("EEE 4t Sem")
0004
0005 N=input("Enter the value of n: ");
0006
0007 disp("Enter the values of x: ");
0008 for i=1:5
0009     X(i)=input(": ");
0010 end
0011
0012 disp("Enter the values of f: ")
0013 for i=1:5
0014     F(i)=input(": ");
0015 end
0016
0017 for i=1:5
0018     Fx(i)=F(i)*X(i);
0019 end
0020
0021 Sf=0;
0022 Sfx=0;
0023 for i=1:5
0024     Sf=Sf+F(i);
0025     Sfx=Sfx+Fx(i);
0026 end
0027
0028 Mean=Sfx/Sf;
0029 L=Mean/N;
0030
0031 N=200;
0032 for i=1:5
0033     Ans(i)=(exp(-1)*(1**X(i)))/factorial(X(i));
0034     Ans(i)=N*Ans(i);
0035 end
0036
0037 disp("Expected frequencies are: ");
0038 disp(Ans);
0039
0040 Sef=sum(Ans);
0041 disp("Sum of expected frequencies are: ");
0042 disp(Sef)
0043
0044 Sof=sum(F);
0045 disp("Sum of observed frequencies are: ");
0046 disp(Sof);

```