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% Write a code for binomial distribution
n = input("Enter the number of trials :- ");
p = input("Enter the probability of success of the event :- ");
x = input("Enter the value of X :- ");
ch = input("1.Less than equal to \n2.Greater than \n3.Equal to ");
q = (1-p);
a = (p^x);
b = (q^(n-x));
sum1 = 0;
if (ch==1)
      for i = x+1:n
            c = nchoosek(n,i);
            px = c*a*b;
            sum1 = sum1 + px;
      end
      fprintf("The probability is :- %f",1-sum1);
end
if (ch==2)
      for i = x+1:n
            c = nchoosek(n,i);
            px = c*a*b;
            sum1 = sum1 + px;
      end
      fprintf("The probability is :- %f",sum1);
end
if (ch==3)
      c = nchoosek(n,x);
      px = c*a*b;
      fprintf("The probability is :- %f",px);
end
```