

```

n=input("Enter the number of observations :- ");
list1=[];
list2=[];
listxx=[];
listyy=[];
listxy=[];
for i=1:n
    n1=input("Enter the number :- ");
    list1=[list1,n1];
end
for i=1:n
    n2=input("Enter the number :- ");
    list2=[list2,n2];
end
sumx=sum(list1);
sumy=sum(list2);
listxy=list1.*list2;
sumxy=sum(listxy);
listxx=list1.*list1;
listyy=list2.*list2;
sumxx=sum(listxx);
sumyy=sum(listyy);
numerator=(n*sumxy)-(sumx*sumy);
denominator=(sqrt((n*sumxx)-(sumx*sumx)))*(sqrt((n*sumyy)-(sumy*sumy)));
rank=numerator/denominator;
fprintf("Rank Correlation Factor is :- %d\n",rank);

```