4.Binomial Coefficient

#include<stdio.h>

int main()

{

int i,n=1,r=1,k=1,n1,n2,n3,binomial;

printf("\nEnter the value of n: ");

scanf("%d",&n1);

printf("\nEnter the value of r:");

scanf("%d",&n2);

n3=n1-n2;

for(i=1;i<=n1;i++)

{

n=n\*i;

}

for(i=1;i<=n2;i++)

{

r=r\*i;

}

for(i=1;i<=n3;i++)

{

k=k\*i;

}

binomial = n/(r\*k);

if(n1<0)

{

printf("\nInvalid.enter correct value.\n");

}

else if(n2<0)

{

printf("\nInvalid.enter correct value.\n");

}

else

{

printf("\nThe binomial coefficient is %d",binomial);

}

return 0;

}

OUTPUT

