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pro1.c pro2.c pro3.c pro4.c pro5.c pro6.c pro7.c pro8.c

```
1 #include<stdio.h>
2 int main(){
3     int n,i,sum=0;
4     printf("Enter the number of terms : ");
5     scanf("%d", &n);
6
7     for(i=1;i<=n;i++){
8         sum = sum+i;
9     }
10
11    printf("Sum of %d terms : %d ",n,sum);
12
13    return 0;
14 }
```

█

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```
1 #include<stdio.h>
2 int main(){
3     int n,i,sum=0;
4     printf("Enter the number of terms : ");
5     scanf("%d", &n);
6
7     for(i=0;i<n;i++){
8         sum = sum+((2*i)+1);
9     }
10
11    printf("Sum of %d terms : %d ",n,sum);
12
13    return 0;
14 }
```

I



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```
1 #include<stdio.h>
2 int main(){
3     int n,i,sum=0;
4     printf("Enter the number of terms : ");
5     scanf("%d", &n);
6
7     for(i=1;i<=n;i++){
8         sum = sum+(2*i);
9     }
10
11    printf("Sum of %d terms : %d ",n,sum);
12
13    return 0;
14 }
```



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pro1.c pro2.c pro3.c pro4.c pro5.c pro6.c pro7.c pro8.c

```
1 #include<stdio.h>
2 int main(){
3     int n,i;
4     float sum = 0;
5     printf("Enter the number of terms : ");
6     scanf("%d", &n);
7
8     for(i=1;i<=n;i++){
9         sum = sum +(1.0/i);
10    }
11
12    printf("Sum of %d terms : %f ",n,sum);
13
14    return 0;
15 }
```

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pro1.c X



pro2.c X



pro3.c X



pro4.c X



pro5.c X



pro6.c X



pro7.c X



pro8.c X

```
1 #include<stdio.h>
2 #include<math.h>
3
4 int main(){
5     int n,i,sum = 1,x;
6     printf("Enter the number of terms : ");
7     scanf("%d", &n);
8
9     printf("Enter a number X = ");
10    scanf("%d", &x);
11
12    for(i=1;i<=n;i++){
13        sum = sum + pow(x,i);
14    }
15
16    printf("Sum of %d terms : %d ",n,sum);
17
18    return 0;
19 }
```

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pro1.c X pro2.c X pro3.c X pro4.c X pro5.c X pro6.c X pro7.c X pro8.c

```
1 #include<stdio.h>
2 int main(){
3     int n,i,j;
4     float sum=0,fact=1;
5     printf("Enter the number of terms : ");
6     scanf("%d", &n);
7
8     for(i=1;i<=n;i++){
9         fact=1;
10        for(j=1;j<=i;j++){
11            fact = fact*j;
12        }
13        sum = sum+(1.0/fact);
14        printf("1/%d! + ",i);
15    }
16
17    printf("= %f ",sum);
18
19    return 0;
20}
21}
```

The screenshot shows a C code editor with the following menu icons: Open, Save, Undo, Redo, Find, Replace, and others. The tabs at the top show multiple files: pro1.c, pro2.c, pro3.c, pro4.c, pro5.c, pro6.c, pro7.c, and pro8.c. The main window displays the following C code:

```
1 #include<stdio.h>
2 #include<math.h>
3 int main(){
4     int n,i,j,x;
5     float p,sum=1,fact=1;
6     printf("Enter the number of terms : ");
7     scanf("%d", &n);
8     printf("Enter a number X = ");
9     scanf("%d", &x);
10
11    printf("1+");
12    for(i=1;i<=n;i++){
13        fact=1;
14        p=pow(x,i);
15        for(j=1;j<=i;j++){
16            fact = fact*j;
17        }
18        sum = sum+(p/fact);
19        printf("x^%d/%d! + ",i,i);
20    }
21
22    printf("= %f ",sum);
23
24    return 0;
25 }
```



pro1.c X pro2.c X pro3.c X pro4.c X pro5.c X pro6.c X pro7.c X pro8.c X

```
1 #include<stdio.h>
2 int main(){
3     int n,i,j,x;
4     float p,sum=1,fact=1;
5     printf("Enter the number of terms : ");
6     scanf("%d", &n);
7
8     printf("Enter a number X = ");
9     scanf("%d", &x);
10
11    printf("1+");
12    for(i=1;i<=n;i++){
13        fact=1;
14        p=i*x;
15        for(j=1;j<=i;j++){
16            fact = fact*j;
17        }
18        sum = sum+(p/fact);
19        printf("x^%d/%d! + ",i,i);
20    }
21
22    printf("= %f ",sum);
23
24    return 0;
25 }
```