



new*



```
1  #include<stdio.h>
2  #include<math.h>
3  float fac(int n)
4  {
5      int i;
6      float fac1=1;
7      for(i=n;i>0;i--)
8      {
9          fac1*=i;
10     }
11     return fac1;
12 }
13 int main()
14 {
15     char c1;
16     int n1,n2,c2,Pow;
17     do
18     {
19         printf("\n1.Add\n2.Subtract\n3.
Multiply\n4.Divide\n5.Greater than(>)\n6.
Lesser than(<)\n7.Not Equal(!=)\n8.
Equal(==)\n9.Factorial\n10.
Power(n1^n2)\n\n");
20         scanf("%d",&c2);
21         switch(c2)
22         {
23             case 1: printf("Enter the 2
numbers\n");
24                 scanf("%d%d",&n1,&n2);
25                 printf("Result is: %d",n1+n2);
26                 break;
27
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25         printf("Result is: %d",n1+n2);
26         break;
27
28         case 2: printf("Enter the 2
numbers\n");
29             scanf("%d%d",&n1,&n2);
30             printf("Result is: %d",n1-n2);
31             break;
32
33         case 3: printf("Enter the 2
numbers\n");
34             scanf("%d%d",&n1,&n2);
35             printf("Result is: %d",n1*n2);
36             break;
37
38         case 4: printf("Enter the 2
numbers\n");
39             scanf("%d%d",&n1,&n2);
40             printf("Result is: %f",n1/
(float)n2));
41             break;
42
43         case 5: printf("Enter the 2
numbers\n");
44             scanf("%d%d",&n1,&n2);
45             if(n1>n2)
46                 printf("%d greater than %d",n1,
n2);
47             else
48                 printf("%d not greater than %d",
n1,n2);
49             break;
50
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50
51     case 6: printf("Enter the 2
52             scanf("%d%d",&n1,&n2);
53             if(n1<n2)
54             printf("%d lesser than %d",n1,
55                 n2);
56             else
57             printf("%d not lesser than %d",
58                 n1,n2);
59             break;
60     case 7: printf("Enter the 2
61             scanf("%d%d",&n1,&n2);
62             if(n1!=n2)
63             printf("%d not equal %d",n1,n2);
64             else
65             printf("%d equal to %d",n1,n2);
66             break;
67     case 8: printf("Enter the 2
68             scanf("%d%d",&n1,&n2);
69             if(n1==n2)
70             printf("%d equal to %d",n1,n2);
71             else
72             printf("%d not equal to %d",n1,
73                 n2);
74             break;
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72         else
73             printf("%d not equal to %d",n1,
n2);
74             break;
75
76         case 9: printf("Enter the number\n");
77
78             scanf("%d",&n1);
79             printf("Factorial is: %f",fac(n1));
80
81             break;
82
83         case 10:printf("Enter the number
and the power to be raised\n");
84             scanf("%d%d",&n1,&n2);
85             Pow=pow(n1,n2);
86             printf("Result is: %d",Pow);
87             break;
88         default: printf("Invalid Choice\n");
89     }
90     printf("\nDo you want to continue?(y-
yes else any character)\n");fflush(stdin);
91     scanf("%c",&c1);
92
93     }while(c1=='y' || c1=='Y');
94     return 0;
95 }
```



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{

}

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- 1.Add
- 2.Subtract
- 3.Multiply
- 4.Divide
- 5.Greater than(>)
- 6.Lesser than(<)
- 7.Not Equal(!=)
- 8.Equal(==)
- 9.Factorial
- 10.Power($n1^{n2}$)

2

Enter the 2 numbers

5

2

Result is: 3

Do you want to continue?(y=yes else any character)

y

- 1.Add
- 2.Subtract
- 3.Multiply
- 4.Divide
- 5.Greater than(>)
- 6.Lesser than(<)
- 7.Not Equal(!=)
- 8.Equal(==)
- 9.Factorial
- 10.Power($n1^{n2}$)

9

Enter the number

10

Factorial is: 3628800.000000

Do you want to continue?(y=yes else any character)