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1 #include <stdio.h>
2 #include<math.h>
3 int main() {
4     int num1,num2,option;
5     long long ans = 1;
6     printf("Enter the first number :");
7     scanf("%d",&num1);
8     printf("Enter the second number :");
9     scanf("%d",&num2);
10
11     printf("\nInput your option :\n");
12     printf("1-Addition.\n2-Substraction.\n3-Multiplication.\n4-Division.\n5-Check for equal n=numbers.\n");
13     printf("6-Check for greater number.\n7-Check for lesser number.\n8-Average.\n9-number1^number2.\n10-number1+number2\n");
14     printf("11-Exit\n");
15     scanf("%d",&option);
16     while(option!=11) {
17         switch(option) {
18             case 1:
19                 printf("The Addition of %d and %d is: %d\n",num1,num2,num1+num2);
20                 break;
21
22             case 2:
23                 printf("The Substraction of %d and %d is: %d\n",num1,num2,num1-num2);
24                 break;
25
26             case 3:
27                 printf("The Multiplication of %d and %d is: %d\n",num1,num2,num1*num2);
28                 break;
29
30             case 4:
31                 if(num2==0) {
32                     printf("Devision not possible\n");
33                 } else {
34                     printf("The Division of %d and %d is : %d\n",num1,num2,num1/(num2));
35                 }
36             break;
37         }
38     }
39 }

```

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45 case 6:
46     if(num1>num2){
47         printf("%d is greater than %d\n",num1,num2);
48     }
49     else
50         printf("%d is greater than %d\n",num2,num1);
51     break;
52 case 7:
53     if(num1>num2){
54         printf("%d is less than %d\n",num2,num1);
55     }
56     else
57         printf("%d is less than %d\n",num1,num2);
58     break;
59 case 8:
60     printf("Average of these number is %d\n",(num1+num2)/2);
61     break;
62 case 9:
63     ans = pow(num1,num2);
64     printf("Number1^Number2 = %lld\n",ans);
65     break;
66 case 10:
67     ans = pow(num2,num1);
68     printf("Number2^Number1 = %lld\n",ans);
69     break;
70 default:
71     printf("Input correct option\n");
72     break;
73 }
74 scanf("%d",&option);
75 }
76 printf("You have exit from the calculator");
77 return 0;
78 }
```

Last login: Wed Sep 16 12:14:41 on ttys000  
dhruvdubey@Dhruvs-MacBook-Air ~ % /Users/dhruvdubey/Desktop/JavaLab/Ques1 ; exit;  
Enter the first number :12  
Enter the second number :24

Input your option :

1-Addition.  
2-Substraction.  
3-Multiplication.  
4-Division.  
5-Check for equal n=numbers.  
6-Check for greater number.  
7-Check for lesser number.  
8-Average.  
9-number1^number2.  
10-number2^number1  
11-Exit

1  
The Addition of 12 and 24 is: 36

3  
The Multiplication of 12 and 24 is: 288

8  
Average of these number is 18

7  
12 is less than 24

11  
You have exit from the calculator  
[Process completed]