BHARATH GERA
IBM19CS035

1
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#include <stdio.h>
#include <math.h>
int main()
{
    int num1, num2, option;
    long long ans = 1;
    printf("Enter the first number:");
    scanf("%d", &num1);
    printf("Enter the second number:");
    scanf("%d", &num2);
    printf("\n Input your option: \n");
    printf("1-Addition \n 2-Subtraction \n 3-multiplication \n
        4-Division \n 5-Check for equal numbers \n 6-Check for greater
        number \n 7-Check for lesser number \n 8-Average \n
        9-number1 ^ number2 \n 10-number2 ^ number1");
    scanf("%d", &option);
    while (option != 11)
    {
        switch (option)
        {
            case 1:
            printf("The Addition is: %d \n", num1 + num2);
            break;
            case 2:
            printf("The Subtraction is: %d \n", num1 - num2);
            break;
            case 3:
            printf("The Multiplication is: %d \n", num1 * num2);
            break;
            case 4:
            if (num2 == 0)
            printf("The second integer is zero \n");
            else
            printf("The Division is: %d \n", num1 / num2);
            break;
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case 5:
 if (num1 == num2)
 printf (" Equal Numbers \n");
 else
  printf (" No Equal Numbers \n");
 break;
 case 6:
 if (num1 > num2 )
 printf ("%d is greater \n", num1);
 else
 printf ("%d is greater \n", num2);
 case 7:
 if (num1 < num2)
 printf ("%d is lesser \n", num1);
 else
 printf ("%d is lesser \n", num2);
 break;
 case 8:
  printf (" Average is : %d \n ", (num1+num2)/2);
  break;
  case 9:
  ans = pow (num1, num2);
  printf ("Number 1 ^ Number 2 = %d \n ", & ans);
  break;
  case 10:
  ans = pow (num2, num1)
  printf(& "Number 2 ^ Number 1 = %d \n ", & ans);
  break;
  default:
   printf (" Incorrect option \n");
   break;
 }
 scanf ("%d ", & option);
}
printf (" You have exited \n ");
return 0;
}
```