Practice Problem-1

```
#Include<stdio.h>
#Include<math.h>
  Int main()
  {
    Int n1, n2, option;
    long long ans = 1;
    printf("Enter the first number: ");
    scanf("%d", &n1);
    printf("Enter the second number: ");
    scanf("%d", &n2);
    printf("\n Input your option: \n");
    printf("1-Addition. \n2-Subtraction. \n3-Multiplication.
          \n4-Division. \n5-Check for equal numbers
          \n6-check for lesser number. \n7-Check for greater
          number. \n8. ~~check~~ Average. \n9. number1 ^ number2
          \n10. number2 ^ number1);
    scanf("%d", ~~&opti~~, &option);
    while(option != 11)
    {
    switch(option)
      case1:
          printf("The addition of %d and %d is: %d\n"
                                    , n1, n2, n1+n2);
      break;
```

```
case2:
    printf("The substraction of %d and %d is %d \n",n1,n2,n2-n1);
    break;

case3:
    printf("The multiplication of %d and %d is %d \n"
                    ,n1,n2,n1*n2);
break;

case4:
    printf("T
    if(n2==0)
     {
       printf("The second Integer is zero. Diduide by
                    zero\n");
     }
     else
     {
        printf("The division of %d and %d is: %d \n"
                    ,n1,n2,n1/n2);
     }
break;

case5:
 if(n1==n2)
 {
    printf("Equal numbers! \n");
 }
 else
    printf("Not equal numbers! \n");
 }
 break;
```

```
case 6:
    if(n2>n1)
    {
      printf("%d is ~~greater~~ less than %d\n" n2, n1);
    }
    else
    {
      printf("%d is less than %d\n", n1,n2);
    }
  break;
case 7:
    if(n1>n2)
    {
      printf("%d is greater than %d\n",n1,n2);
    }
    else
    {
      printf("%d is greater than %d\n",n2,n1);
    }
  break;
case 8:
      printf("Average of these numbers is %d\n"
                    ,(n1+n2)/2);
break;
```

```
case 9:
        ans = pow(n1, n2);
        printf("Number1 ^ number2 = %lld \n", &ans);
        break;
    break;
case 10:
        ans = pow(n2, n1);
        printf("Number2 ^ number1 = %lld \n", &ans);
    break;
default:
        printf("Input correct option \n");
    break;
}
printf("You have exit from the calculator");
return 0;
}.
```