1BM19CS036
Bhavya Sharma

C Program to design simple
Calculator

```c
# include <math.h>
# include <stdio.h>
int main ()
{
int num1, num2, n;
int c = 1;
while (c == 1)
{
printf (" Enter num1 \n");
scanf ("%d", &num1);
printf (" Enter num2 \n");
scanf ("%d", &num2);
printf (" Enter the number as par the function\n);
printf (" 1.Addition %d , &p);
scanf ("
switch (n)
{
                  printf (" 1.Addition , 2.Substration,
case 1       3. Multiplication , 4. Division ,
   5- Equal to , 6. lesser than , 7 not equal to ,
      8. Greater than , 9. Power , 10 square root ");
scanf ("%d; & n);
switch (n)
{
case 1:
printf (" Sum of two numbers is %d ", num1 + num2);
 break;
case 2:
printf (" Difference of two numbers is %d ", num1 - num2);
 break;
```

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```
case 3:
printf (" Product is equal to %d", num1 * num2)
break;
case 4:
printf (" ~~Quotio~~ Division = %d", num1 / num2);
break;
case 5:
if (num1 == num2)
printf (" Both num1 and num2 are equal");
else
printf (" num1 and num2 are not equal");
break;
case 6:
if (num1 < num2)
printf (" Num1 %d is lesser than num2 %d", num1, num2);

else
printf (" Num2 %d is lesser than num1 %d", num2, num1);

break;
case 7:
if (num1 != num2)
printf ("numbers are not equal");
else
printf (" numbers are equal");
break;

case 8:
if (num1 > num2)
printf (" num1 %d is greater than num2 %d", num1, num2);
else
printf (" num2 %d is greater than num1 %d", num2, num1);
break;
```

```c
case 9:
    printf(" %.d to the power of %. d is %. d",
            num1, num2, Pow(nu1, nu2));
    break;
case 10;
    printf(" Root of mu%. d is %. d", num1,
            Pow(num1, 1/num2));
    break;

default:
    printf(" Enter correct choice");
    break;
}
printf(" Enter 2 to terminate or 1 to
        continue \n");
scanf("%d", &a);
}
return 0;
}
```