```
1 #include <stdio.h>
 2
 3 int main(void)
 4 {
 5
        //function declarations
        void MathematicalOperations(int, int, int *, int *, int *, int *, int *);
 6
 7
        //variable declaration
 8
 9
        int a:
10
        int b;
11
        int answer_sum;
12
        int answer difference;
13
        int answer_product;
14
        int answer quotient;
15
        int answer_remainder;
16
       //code
17
18
        printf("\n\n");
        printf("Enter Value Of 'A' : ");
19
20
        scanf("%d", &a);
21
        printf("\n\n");
22
        printf("Enter Value Of 'B' : ");
23
24
        scanf("%d", &b);
25
26
        // PASSING ADDRESSES TO FUNCTION ... FUNCTION WILL FILL THEM UP WITH
         VALUES ... HENCE, THEY GO INTO THE FUNCTION AS ADDRESS PARAMETERS AND COME
         OUT OF THE FUNCTION FILLED WITH VALID VALUES
27
        // THUS, (&answer sum, &answer difference, &answer product, &answer quotient,
          &answer_remainder) ARE CALLED "OUT PARAMETERS" OR "PARAMETERIZED RETURN
         VALUES" ... RETURN VALUES OF FUNCTIONS COMING VIA PARAMETERS
        // HENCE, ALTHOUGH EACH FUNCTION HAS ONLY ONE RETURN VALUE, USING THE CONCEPT >
28
         OF "PARAMETERIZED RETURN VALUES", OUR FUNCTION "MathematicalOperations()"
         HAS GIVEN US 5 RETURN VALUES !!!
29
        MathematicalOperations(a, b, &answer sum, &answer difference, &answer product, →
30
           &answer_quotient, &answer_remainder);
31
32
        printf("\n\n");
33
        printf("***** RESULTS ***** : \n\n");
        printf("Sum = %d\n\n", answer_sum);
34
35
        printf("Difference = %d\n\n", answer_difference);
36
        printf("Product = %d\n\n", answer_product);
        printf("Quotient = %d\n\n", answer_quotient);
37
38
        printf("Remainder = %d\n\n", answer_remainder);
39
        return(0);
40 }
41
42 void MathematicalOperations(int x, int y, int *sum, int *difference, int *product, →
       int *quotient, int *remainder)
43 {
44
        //code
```

```
...ointerAsOutParameter\01-MethodOne\PointerAsOutParameter.c
```

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