```
1 #include <stdio.h> //'stdio.h' contains declaration of 'printf()'
3 // ***** USER DEFINED FUNCTIONS : METHOD OF CALLING FUNCTION 1 ******
 4 // ***** CALLING ALL FUNCTIONS IN main() DIRECTLY *****
 6 // Entry-Point Function => main() => Valid Return Type (int) and 3 Parameters
                                                                                      P
     (int argc, char *argv[], char *envp[])
 7 int main(int argc, char *argv[], char *envp[])
 8 {
9
       //function prototypes OR declarations
       void MyAddition(void);
10
       int MySubtraction(void);
11
       void MyMultiplication(int, int);
12
13
       int MyDivision(int, int);
14
15
       //variable declarations
       int result_subtraction;
16
17
       int a multiplication, b multiplication;
18
       int a_division, b_division, result_division;
19
20
       //code
21
       // *** ADDITION ***
22
23
       MyAddition(); //function call
24
       // *** SUBTRACTION ***
25
       result subtraction = MySubtraction(); //function call
26
27
       printf("\n\n");
       printf("Subtraction Yields Result = %d\n", result subtraction);
28
29
30
       // *** MULTIPLICATION ***
       printf("\n\n");
31
       printf("Enter Integer Value For 'A' For Multiplication : ");
32
       scanf("%d", &a_multiplication);
33
34
       printf("\n\n");
35
36
       printf("Enter Integer Value For 'B' For Multiplication : ");
       scanf("%d", &b_multiplication);
37
38
39
       MyMultiplication(a multiplication, b multiplication); //function call
40
       // *** DIVISION ***
41
42
       printf("\n\n");
       printf("Enter Integer Value For 'A' For Division : ");
43
       scanf("%d", &a_division);
44
45
46
       printf("\n\n");
47
       printf("Enter Integer Value For 'B' For Division : ");
       scanf("%d", &b_division);
48
49
50
       result division = MyDivision(a division, b division); //function call
       printf("\n\n");
51
```

```
...ethodsOfFunctionCall\01-FirstMethodOfCall\CallMethod_01.c
```

```
52
        printf("Division Of %d and %d Gives = %d (Quotient)\n", a_division,
          b_division, result_division);
 53
 54
        printf("\n\n");
 55
 56
        return(0);
 57 }
 58
 59 // *** Function Definition Of MyAddition() ******
 60 void MyAddition(void) //function definition
 61 {
 62
        //variable declarations : local variables to MyAddition()
 63
        int a, b, sum;
 64
 65
        //code
 66
        printf("\n\n");
        printf("Enter Integer Value For 'A' For Addition : ");
 67
 68
        scanf("%d", &a);
 69
 70
        printf("\n\n");
 71
        printf("Enter Integer Value For 'B' For Addition : ");
 72
        scanf("%d", &b);
 73
 74
        sum = a + b;
 75
 76
        printf("\n\n");
 77
        printf("Sum Of %d And %d = %d\n\n", a, b, sum);
 78 }
 79
 80 // *** Function Definition Of MySubtraction() *****
 81 int MySubtraction(void) //function definition
 82 {
        //variable declarations : local variables to MySubtraction()
 83
 84
        int a, b, subtraction;
 85
        //code
 86
 87
        printf("\n\n");
 88
        printf("Enter Integer Value For 'A' For Subtraction : ");
        scanf("%d", &a);
 89
 90
        printf("\n\n");
 91
 92
        printf("Enter Integer Value For 'B' For Subtraction : ");
 93
        scanf("%d", &b);
 94
 95
        subtraction = a - b;
 96
        return(subtraction);
 97 }
98
99 // *** Function Definition Of MyMultiplication() ******
100 void MyMultiplication(int a, int b) //function definition
101 {
102
        //variable declarations : local variables to MyMultiplication()
```

```
...ethodsOfFunctionCall\01-FirstMethodOfCall\CallMethod_01.c
```

```
3
```

```
103
        int multiplication;
104
        //code
105
        multiplication = a * b;
106
107
108
        printf("\n\n");
        printf("Multiplication Of %d And %d = %d\n\n", a, b, multiplication);
109
110 }
111
112 // *** Function Definition Of MyDivision() ******
int MyDivision(int a, int b) //function definition
114 {
115
        //variable declarations : local variables to MyDivision()
116
        int division_quotient;
117
        //code
118
119
        if (a > b)
120
            division_quotient = a / b;
121
        else
122
            division_quotient = b / a;
123
124
        return(division_quotient);
125 }
126
```