

/*Multiple Functions in Loop (22-01-19)*/

```
#include <stdio.h>
#include <stdlib.h>
#include <conio.h>

void sum (int x, int y){
    printf("Sum = %d\n\n", x+y);
}
void diff (int x, int y){
    printf("Difference = %d\n\n", x-y);
}
void prod (int x, int y){
    printf("Product = %d\n\n", x*y);
}
void divi (int x, int y){
    printf("Quotient = %d\n\n", x/y);
}

void main(){
    printf("18BCAN024\n\n");
    int choice, n1, n2;
    printf("-----\n");
    printf("\tMENU\n");
    printf("-----\n");
    printf("1. ADDITION\n2. SUBTRACTION\n3. MULTIPLICATION\n4. DIVISION\n5. EXIT \n\n");

    while(1){
        printf("Enter your choice: ");
        scanf("%d", &choice);
        switch (choice){
            case 1:
                printf("Enter 2 numbers: "); scanf("%d%d", &n1, &n2); sum (n1, n2); break;
            case 2:
                printf("Enter 2 numbers: "); scanf("%d%d", &n1, &n2); diff (n1, n2); break;
            case 3:
                printf("Enter 2 numbers: "); scanf("%d%d", &n1, &n2); prod (n1, n2); break;
            case 4:
                printf("Enter 2 numbers: "); scanf("%d%d", &n1, &n2); divi (n1, n2); break;
            case 5: exit(0); break;
            default: printf("Try Again!\n\n"); break;
        }
    }
    getch();
}
```

```
"C:\Users\Vayu Dugar\Documents\BCA\BCA Sem-2\C-Programming\code-8.exe"
18BCAN024

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          MENU
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1. ADDITION
2. SUBTRACTION
3. MULTIPLICATION
4. DIVISION

Enter your choice: 2
Enter 2 numbers: 888 444
Difference = 444

Enter your choice: 1
Enter 2 numbers: 999 123
Sum = 1122

Enter your choice: 5

Process returned 0 (0x0)   execution time : 42.330 s
Press any key to continue.
```