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1: #include <stdio.h>
2: // Menu V3 - Transform functions to Reusable units
3: // Author: Kleanthis Thramboulidis
4: #define TERMINATE          0
5: #define INSERT_NUMBERS    1
6: #define ADD                2
7: #define SUB                3
8: #define MUL                4
9:
10: int menu(void);
11: void insertNumbers(void);
12: //void add(void);
13: int add(int n1,int n2);
14: void sub(void);
15: void mul(void);
16:
17: int num1=5, num2=89, result;
18:
19: void main(){
20:     int selectedOp;
21:
22:     printf("Menu V3 \n\n");
23:     selectedOp=menu();
24:     while(selectedOp!= TERMINATE){
25:         switch(selectedOp){
26:             case INSERT_NUMBERS :
27:                 insertNumbers();
28:                 break;
29:             case ADD :
30:                 // result=add(num1,num2);
31:                 // printf("sum=%d\n",result);
32:                 printf("sum=%d\n",add(num1,num2));
33:                 break;
34:             case SUB :
35:                 sub();
36:                 break;
37:             case MUL :
38:                 mul();
39:                 break;
40:             default :
41:                 printf("Operation is not supported\n");
42:                 break;

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43:         }
44:         selectedOp=menu();
45:     }
46:     printf("Menu V3 terminated\n");
47: }
48:
49: int menu(void){
50:     int choice;
51:
52:     printf("\n\n-----MENU-----\n");
53:     printf("0 - TERMINATE\n");
54:     printf("1 - INSERT NUMBERS\n");
55:     printf("2 - ADD\n");
56:     printf("3 - SUB\n");
57:     printf("4 - MUL \n-----\n");
58:     printf("Select operation:"); //use getInt()
59:     scanf("%d",&choice);
60:     return (choice);
61: }
62:
63: void insertNumbers(void){
64:     printf("insertNumbers executed\n");
65: }
66:
67: int add(int n1,int n2){
68:     // printf("add executed\n");
69:     // int sum;
70:     // sum = n1+n2;
71:     // return sum;
72:     return n1+n2;
73: }
74:
75: void sub(void){
76:     printf("sub executed\n");
77: }
78:
79: void mul(void){
80:     printf("mul executed\n");
81: }
82:

```