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1  /* Experiment No:- 3
2  Title   :-WAP to design a menu driven calculator using switch and goto
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4  Division:-F.E.(Computer Enigneering)
5  UIN     :-241P088*/
6
7  #include<stdio.h>
8
9  int main(){
10
11     printf("\t\t\t\t\t*****Menu Driven Calculator*****\n");
12     float a,b,result;
13     char operation,i,cont;
14
15
16     printf("+:-Addition\n");
17
18     printf("-:-Subtraction\n");
19
20     printf("*:-Multiplication\n");
21
22     printf("/:-Division\n");
23
24     printf("%%:-Modolus\n");
25
26
27     Start:
28
29     printf("Enter the Num-1:-");
30
31     scanf("%f",&a);
32
33     printf("Enter the Num-2:-");
34
35     scanf("%f",&b);
36
37     printf("Enter the operation:-");
38
39     scanf(" %c",&operation);
40
41
42     switch(operation){
43     case '+':
44         result = a + b;
45         printf("%f + %f = %f\n",a,b,result);
46         break;
47
48     case '-':
49         result = a - b;
50         printf(" %f - %f =%f\n",a,b,result);
51         break;
52
53     case '*':
54         result = a * b;
55         printf("%f * %f =%f\n",a,b,result);
56         break;
57
58     case '/':
59         result = a / b;
60         printf("%f / %f =%f\n",a,b,result);
61         break;
62
63     case '%':
64         result = (int)a % (int)b;
65         printf("%d mod %d =%d\n", (int)a, (int)b, (int)result);
66         break;
67
68     default:
69         printf("Invalid Operation\n");
70         return 0;
71     }
72
73
74     printf("Continue ? (Y/N):");
75     scanf(" %c",&cont);
76     if (cont== 'N'){
77         printf("Thank you for using Calculator");
78         return 0;
79     }

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80         goto Start;
81     return 0;
82 }
83 /*
84 Output:-
85
86         *****Menu Driven Calculator*****
87 +:-Addition
88 -:-Subtraction
89 *:-Multiplication
90 /:-Division
91 %:-Modulus
92 Enter the Num-1:-24
93 Enter the Num-2:-45
94 Enter the operation:-+
95 24.000000 + 45.000000 = 69.000000
96 Continue ? (Y/N):N
97 Thank you for using Calculator*/
98
99
100
```