Lab 24

```
1   #include <stdio.h>
2
3   void plus(float A, float B);
4   void minus(float A, float B);
5   void multiply(float A, float B);
6   void divided(float A, float B);
7   void mod(int A, int B);
8   void PrintResult(float result);
9   void PrintResultInt(int result);
10
11  main()
12  {
13      float fn1, fn2,  result;
14      int num1,num2;
15      int choose, work = 1, out = 'y';
16
17      while (out == 'y')
18      {
19                      work=1;
20          printf("Choose Method ->\n (1)Plus\n (2)Minus\n (3)Multiply\n (4)Divided\n (5)Mod\n");
21          printf("\nSelect -> : ");
22          scanf("%d", &choose);
23
24            if(choose == 1)
25            {
26                              printf("\n\"Plus number\"\n");
27                      }
28                      else if(choose ==2)
```

```
29                  {
30                          printf("\n\"Minus number\"\n");
31                  }
32                  else if(choose == 3)
33                  {
34                          printf("\n\"Multiply number\"\n");
35                  }
36                  else if(choose == 4)
37                  {
38                          printf("\n\"Divided number\"\n");
39                  }
40                  else if(choose == 5)
41                  {
42                          printf("\n\"Mod number\"\n");
43                  }
44
45          if (choose >= 1 && choose <= 4)
46          {
47              printf("\nPlease Input First Number: ");
48              scanf("%f", &fn1);
49              printf("\nPlease Input Second Number: ");
50              scanf("%f", &fn2);
51          }
52          if (choose == 5)
53          {
54              printf("\nPlease Input First Number : ");
55              scanf("%d", &num1);
56              printf("\nPlease Input Second Number : ");
57              scanf("%d", &num2);
58          }
```

```
59
60          switch (choose)
61          {
62          case 1:
63              plus(fn1, fn2);
64
65              break;
66          case 2:
67            minus(fn1, fn2);
68
69              break;
70          case 3:
71              multiply(fn1, fn2);
72
73              break;
74          case 4:
75              divided(fn1, fn2);
76              break;
77          case 5:
78              mod(num1, num2);
79              break;
80          default:
81              printf("\n\"No Have This Choice\"\n\n");
82          }
83          while (work == 1)
84          {
85              printf("Continue Program ? (y/N) : ");
86              scanf(" %c", &out);
87              if(out == 'y' || out == 'N')
88              {
```

```
89                  work = 0;
90              }
91              else
92              {
93                  printf("\nEnter only \"y\" or \"N\"\n");
94              }
95          }
96          if (out == 'N')
97          {
98              printf("\"End Program\"");
99              work = 0;
100         }
101         printf("\n");
102     }
103 }
104
105 void plus(float A, float B)
106 {
107     float result;
108     result = A + B;
109     PrintResult(result);
110 }
111
112 void minus(float A, float B)
113 {
114     float result;
115     result = A - B;
116     PrintResult(result);
117 }
118
```

```
119 void multiply(float A, float B)
120 {
121     float result;
122     result = A * B;
123     PrintResult(result);
124 }
125
126 void divided(float A, float B)
127 {
128     float result;
129     if (B == 0)
130     {
131         printf("\n\"Error: Division by zero\"\n\n");
132     }
133     else
134     {
135         result = A / B;
136         PrintResult(result);
137     }
138 }
139 void mod(int A, int B)
140 {
141             int result;
142             result = A % B;
143     PrintResultInt(result);
144 }
145 void PrintResult(float result)
146 {
147             printf("\nResult is : %.2f\n\n", result);
148 }
```

```
149  void PrintResultInt(int result)
150  {
151          printf("\nResult is : %d\n\n", result);
152  }
```