Nouran Tarek

Lab1

```c
main.c X
1    #include <stdio.h>
2    #include <stdlib.h>
3
4    int main()
5    {
6        printf("Hello world!\n");
7        printf("_____\n");
8        //test different specifiers
9        int integerNumber=2;
10       float floatNumber =4.25;
11       double doubleNumber=6.5;
12       char character='a';
13       printf("the integer number is = %d \n",integerNumber);
14       printf("the float number is = %f \n",floatNumber);
15       printf("the double number is = %lf \n",doubleNumber);
16       printf("the character  is = %c \n",character);
17       printf("the ascii value of %c is = %d \n",character,character);
18       printf("_____\n");
19       //add two integers
20       int integerNumber1=12;
21       int integerNumber2=10;
22       int sumOfTwoIntegerNumbers=integerNumber1+integerNumber2;
23       printf("the sum of the %d and %d equal=%d \n",integerNumber1,integerNumber2,sumOfTwoIntegerNumbers);
24       printf("_____\n");
25       //print hexa of a number
26       int number1=155;
27       printf("the hexa value of %d is = %x \n",number1,number1);
28       printf("_____\n");
```

```c
main.c X
29       //sub two integers
30       int subOfTwoIntegerNumbers=integerNumber1-integerNumber2;
31       printf("the sub of %d and %d equal=%d \n",integerNumber1,integerNumber2,subOfTwoIntegerNumbers);
32       //multiply two integers
33       int multiplyOfTwoIntegerNumbers=integerNumber1*integerNumber2;
34       printf("the multiply of %d and %d equal=%d \n",integerNumber1,integerNumber2,multiplyOfTwoIntegerNumbers);
35       //devide two integers
36       int devideOfTwoIntegerNumbers=integerNumber1/integerNumber2;
37       printf("the devide of %d and %d equal=%d \n",integerNumber1,integerNumber2,devideOfTwoIntegerNumbers);
38       printf("_____\n");
39       //quotient and remainder
40       int quotient=integerNumber1/integerNumber2;
41       int remainder=integerNumber1%integerNumber2;
42       printf("the quotient of %d and %d equal=%d and the remainder is = %d\n",integerNumber1,integerNumber2,quotient,remainder);
43       printf("_____\n");
```

```c
44          //the largest number of three numbers
45          int num1=1;
46          int num2=2;
47          int num3=3;
48          if(num1>=num2&&num1>=num3){
49              printf("the largest number is %d \n",num1);
50          }
51          if (num2>=num1&&num2>=num3){
52              printf("the largest number is %d \n",num2);
53          }
54          if (num3>=num1&&num3>=num2){
55              printf("the largest number is %d \n",num3);
56          }
57
58          int n1, n2, n3;
59          printf("Enter three numbers:\n");
60          scanf("%d %d %d", &n1,&n2,&n3);
61          if (n1 > n2 && n1 > n3)
62              printf("the Largest number is %d", n1);
63          if (n2 > n1 && n2 > n3)
64              printf("the Largest number is %d", n2);
65          if (n3 > n1 && n3 > n2)
66              printf("the Largest number is %d", n3);
67
68          return 0;
69      }
70
```

"D:\ITI 2023_2024\C Programming\labs\lab1\bin\Debug\lab1.exe"

```
Hello world!

the integer number is = 2
the float number is = 4.250000
the double number is = 6.500000
the character  is = a
the ascii value of a is = 97

the sum of the 12 and 10 equal=22

the hexa value of 155 is = 9b

the sub of 12 and 10 equal=2
the multiply of 12 and 10 equal=120
the devide of 12 and 10 equal=1

the quotient of 12 and 10 equal=1 and the remainder is = 2

the largest number is 3
Enter three numbers:
2 10 6
the Largest number is 10
Process returned 0 (0x0)   execution time : 3.568 s
Press any key to continue.
```