MID-SEM CP LAB ASSIGNMENT

ID NO: 2020A7PS0128U

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```
void main()
    char choice, ch;
    int num1,num2;
    int sum1,sum2;
    int n1,n2;
    while(1)
        printf("Enter the choice 'y' or 'Y' to continue\n");
scanf("%c",&choice);
if(choice=='y' || choice=='Y')
                  f("Enter the first number\n");
f("%d",&num1);
f("Enter the second number\n");
                 f("%d",&num2);
            n1=num1;
            n2=num2;
            sum1=0;
            sum2=0;
            while(n1!=0)
                sum1+=(n1%10);
                n1/=10;
            while(n2!=0)
                sum2+=(n2%10);
                n2/=10;
            printf("Sum of digits of the first number= %d",sum1);
printf("\nSum of digits of the second number= %d",sum2);
printf("\n\n");
if(sum1==sum2)
                printf("THE SUM OF DIGITS OF %d AND %d IS SAME\n\n",num1,num2);
                printf("THE SUM OF DIGITS OF %d AND %d IS NOT SAME\n\n",num1,num2);
                F("%c",&ch);
     printf("\nTHANK YOU");
```

Figure 1. Screen Shot of the Code on the online compiler

Figure 2. Screenshot of the output on given sample input

```
Enter the choice 'y' or 'Y' to continue

n

THANK YOU

...Program finished with exit code 10

Press ENTER to exit console.
```

Figure 3.Screenshot when the input parameter is unfavorable

CODE SEGMENT:



```
# include < stolio. h>
void main ()
  ther thouse out, ch;
  int rum 1, rum 2;
  int sum 1, sum 2;
  int n1, n2;
  while (1)
     print ("Enter the more 'y' or 'y' to continue in );
     scanf ("%, c", & choice);
     16 ( choice = = 'y' !! choice = = 'Y')
       printf ("TASK: To chick whether sum of digits of two
             numbers is some In In");
      pnut ("*** * * * * * * * * * * * * * * * );
      print (" Enter su first number \n");
      scent ("1d", Lnum 1);
      proof (" iner the second number \n");
      scomf (" 1. a", & num 2);
       n1 = num1;
       n2= num2;
       sum 1 = 0;
      sum 2 = 0;
```

```
while (n21=0)
   sum 1 + = (n1/10);
   n1/= 10;
 while (n2 1 = 0).
   sum 2 + = (n2/10);
  7 2/= 10;
 point ("The Sum of digets of first number = " / d", sum!);
 point ("In sum of digits of the second number = 1.d",
                                    Sum 2).
 print (" Inin").
 16 (Sum1 = Sum 2)
   print ("THE SUM OF DIGITS OF Y. a AND
? Y. d Is SAME \n\n", num1, num2);
 else
    print (" THE SUM OF DIGITS OF I'd AND
     1. d IS NOT SAME (n/n", num! num2);
* * * * \ \ " ) :
sort ("1.c", Lch);
```

Anway Kumal Tha 2020ATPS 0128U else { breek ; print ("In THANK YOU"); 3.