PROGRAMMING LABORATORY-2

CS1000

Assignment-2
Group-'P7' Section:'E'

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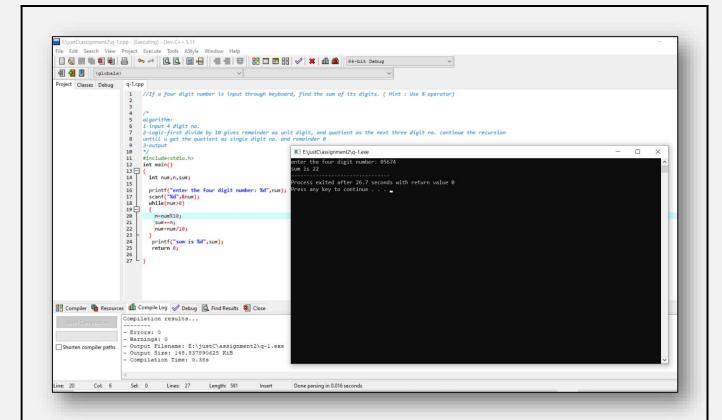
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Codes are uploaded on my GitHub account: https://github.com/prachi237/justC

Assignment-2

1) If a four digit number is input through keyboard, find the sum of its digits. (Hint: Use % operator)

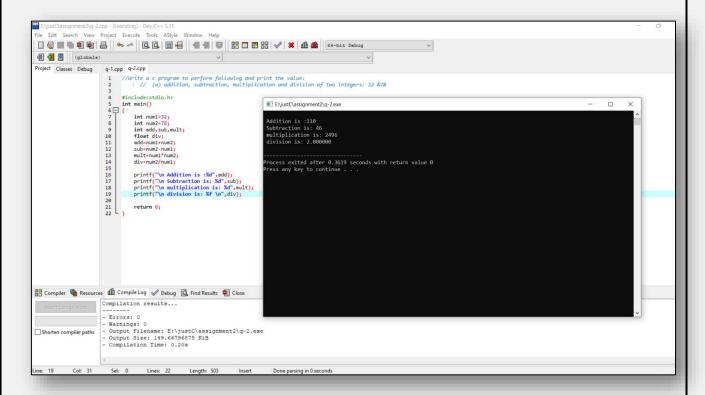
```
//If a four digit number is input through keyboard, find the sum of its digits. ( Hint : Use % operator)
#include<stdio.h>
int main()
{
    int num,n,sum;
    printf("enter the four digit number: %d",num);
    scanf("%d",&num);
    while(num>0)
{
        n=num%10;
        sum+=n;
        num=num/10;
}
printf("sum is %d",sum);
return 0;
}
```



- 2) Write a c program to perform following and print the value:
 - (a) addition, subtraction, multiplication and division of two integers: 32 &78

```
#include<stdio.h>
int main()
{
    int num1=32;
    int num2=78;
    int add,sub,mult;
    float div;
    add=num1+num2;
    sub=num2-num1;
    mult=num1*num2;
    div=num2/num1;
```

```
printf("\n Addition is :%d",add);
printf("\n Subtraction is: %d",sub);
printf("\n multiplication is: %d",mult);
printf("\n division is: %d \n",div);
return 0;
}
```



3). Write a C program to swap two numbers.

```
    Eg: a =10, b=20. (before swap)
    a=20, b=10 (after swap)
```

```
a=20, b=10 (after swap)

#include<stdio.h>
int main()
{
    int num1,num2;
    printf("%d Enter the value of num1: ",num1);
    scanf("%d",&num1);
    printf("\n %d Enter the value of num2:",num2);
    scanf("%d",&num2);
    num1=num1+num2;
    num2=num1-num2;
    num1=num1-num2;
    printf("new value of num1 is:%d",num1);
    printf("\n new value of num2 is:%d",num2);
    return 0;
```

```
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```

4) Write a C program for the following:

Ramesh's basic salary is input through the keyboard. His dearness allowance is 40% of basic salary, and house rent allowance is 20% of basic salary. Write a program to calculate his gross salary.

```
#include<stdio.h>
int main()
{
    float bSalary, dearnessA, houseR, grossS;
    printf("%f enter the basic salary:",bSalary);
    scanf("%f",&bSalary);

    dearnessA=(0.4)*bSalary;
    houseR=(0.2)*bSalary;
    grossS=dearnessA+houseR+bSalary;
    printf("gross salary is %f",grossS);

return 0;
```

```
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```

Codes are uploaded on my GitHub account : https://github.com/prachi237/justC Submitted by: Prachi Nandi 120CS0196 THANK YOU