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D3

Week – 1

Question - 1

```
#include<stdio.h>

int main()
{
    int c,a,b,i;
    while(1)
    {
        printf("Select the number for the operation :\n");
        printf("1) Addition\n");
        printf("2)Subtraction\n");
        printf("3)Division\n");
        printf("4)Multiplication\n");
        printf("5)Modulus\n");
        printf("6)Greater than\n");
        printf("7)Lesser than\n");
        printf("8)Equal to\n");
        printf("9)Not equal to\n");
        printf("10)Increement\n");
        scanf("%d",&i);
        printf("Enter two numbers to perform the operation:\n");
        scanf("%d%d",&a,&b);
        switch(i)
        {
            case 1:printf("%d + %d = %d \n",a,b,a+b);break;
```

```
case 2:printf("%d - %d = %d \n",a,b,a-b);break;
case 3:printf("%d / %d = %d \n",a,b,a/b);break;
case 4:printf("%d X %d = %d \n",a,b,a*b);break;
case 5:printf("%d mod %d = %d \n",a,b,a%b);break;
case 6:if(a>b)
{
printf("%d > %d \n",a,b);

}
else
{
printf("%d > %d \n",b,a);
}
break;
case 7:if(a<b)
{
printf("%d < %d \n",a,b);

}
else
{
printf("%d < %d \n",b,a);
}
break;
case 8:if(a==b)
{

printf("%d = %d \n",a,b);

}
else
```

```

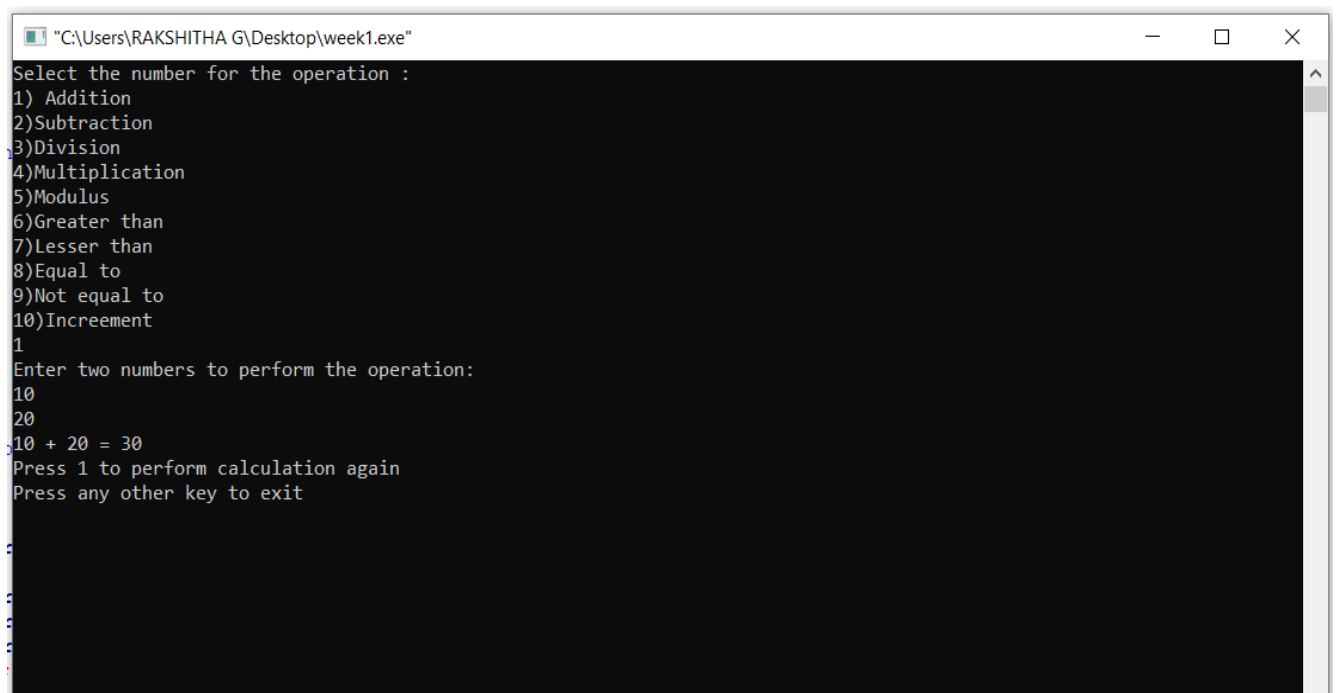
{
printf("%d != %d \n",b,a);
}
break;
case 9:if(a!=b)
{
printf("%d != %d \n",a,b);

}
else
{
printf("%d = %d \n",b,a);
}
break;
case 10:
printf("%d++ = %d \n",a,a+1);
printf("%d++ =%d \n",b,b+1);
break;
default:printf("WRONG INPUT!\n");
}
printf("Press 1 to perform calculation again\nPress any other key to exit\n");
scanf("%d",&c);

if(c!=1)
{
break;
}
}
}

```

Output -



```
"C:\Users\RAKSHITHA G\Desktop\week1.exe"
Select the number for the operation :
1) Addition
2)Subtraction
3)Division
4)Multiplication
5)Modulus
6)Greater than
7)Lesser than
8)Equal to
9)Not equal to
10)Increment
1
Enter two numbers to perform the operation:
10
20
10 + 20 = 30
Press 1 to perform calculation again
Press any other key to exit
```

Question 2

```
#include <stdio.h>
```

```
int sumaver(int a,int b)
```

```
{
```

```
int sum;
```

```
sum=a+b;
```

```
printf("Sum of two numbers = %d \n",sum);
```

```
return sum/2;
```

```
}
```

```
void printeven(int a,int b)
```

```
{
```

```
int small,big;
```

```
if(a>b)
{
small=b;
big=a;
}
else
{
small=a;
big=b;
}
printf("Even numbers between two numbers are:\n");
int i;
for(i=small+1;i<big;i++)
{
if(i%2==0)

printf("%d \n",i);
}
}
```

```
int main()
{
int a,b,c,avg,g1,g2;
printf("Enter the three numbers:\n");
scanf("%d%d%d",&a,&b,&c);
if(c<a && c<b)
```

```
{
g1=a;
g2=b;
}
else if(b<a && b<c)
{
g1=a;
g2=c;
}
else
{
g1=b;
g2=c;
}

avg=sumaver(g1,g2);

printf("The Average of two numbers is : %d \n",avg);
prnteven(g1,g2);

{
int max = 0;

if(a > b && a > c)
printf("\nThe largest among the three numbers: %d",a);
```

```

else if(b > a && b > c)
printf("\nThe largest among the three numbers: %d",b);

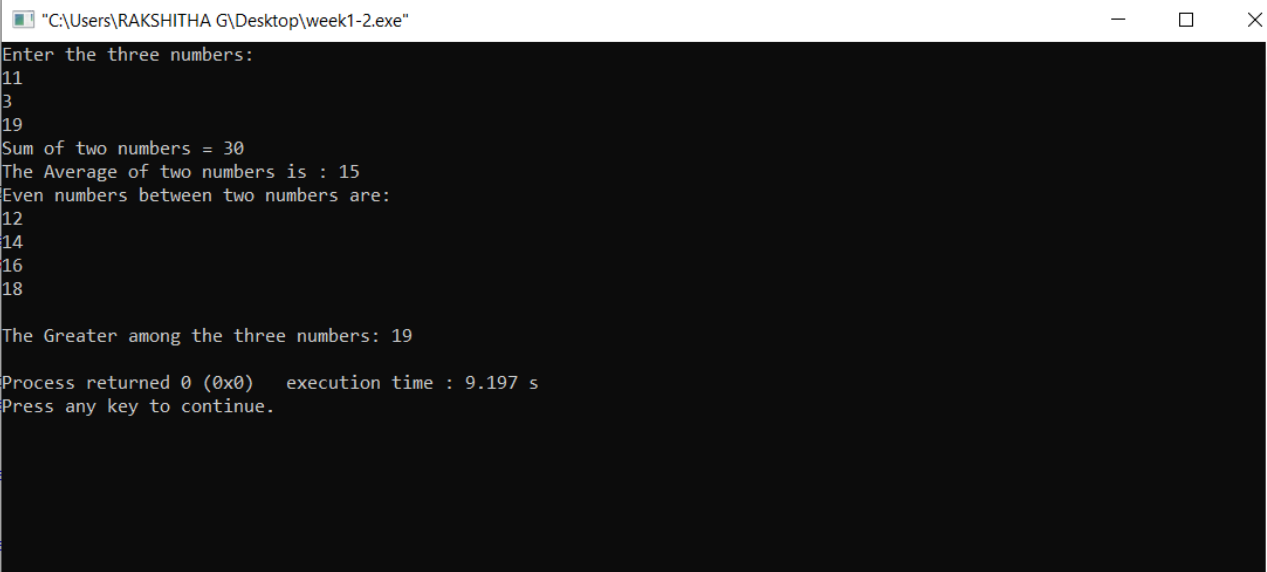
else
printf("\nThe largest among the three numbers: %d",c);

printf("\n");
return 0;
}

}

```

Output –



```

C:\Users\RAKSHITHA G\Desktop\week1-2.exe
Enter the three numbers:
11
3
19
Sum of two numbers = 30
The Average of two numbers is : 15
Even numbers between two numbers are:
12
14
16
18

The Greater among the three numbers: 19

Process returned 0 (0x0)   execution time : 9.197 s
Press any key to continue.

```