

lab program 1

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18M19CS194

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

```
int main()
```

```
{
```

```
int x, y, z, i;
```

```
while(1)
```

```
{
```

```
printf("Choose an desired operation: \n");
```

```
printf("addition: \n");
```

```
printf("subtraction: \n");
```

```
printf("multiplication: \n");
```

```
printf("division: \n");
```

```
printf("modulus: \n");
```

```
printf("greater number: \n");
```

```
printf("lesser number: \n");
```

```
printf("equal: \n");
```

```
printf("not equal: \n");
```

```
printf("increment: \n");
```

```
scanf("%d", &i);
```

```
printf("enter any two numbers to perform operation: \n");
```

```
scanf("%d %d", &x, &y);
```

```
switch(i)
```

```
{
```

```
case 1: printf("%d + %d = %d", x, y, x+y);
```

```
break;
```

```
case 2: printf("%d - %d = %d", x, y, x-y);
```

```
break;
```

```
case 3: printf("%d * %d = %d", x, y, x*y);
```

```
break;
```

```
case 4: printf("%d / %d = %d", x, y, x/y);
```

```

break;
case 5: printf("1.d mod 1.d = 1.d\n", x, y, x % y);
break;
case 6: if (x > y)
{
    printf("1.d > 1.d\n", x, y);
}
else
{
    printf("1.d > 1.d\n", y, x);
}
break;
case 7: if (x < y) if (x < y)
{
    printf("1.d < 1.d\n", x, y);
}
else
{
    printf("1.d < 1.d\n", y, x);
}
break;
case 8: if (x == y)
{
    printf("1.d = 1.d\n", x, y);
}
else
{
    printf("1.d != 1.d\n", y, x);
}
break;
case 9: if (x != y);

```

```

{
    printf ("i.d != i.d\n", x, y);
}
else
{
    printf ("i.d = i.d\n", y, x);
}
break; break;

```

Case D:

```

    printf ("i.d + i = i.d\n", x, x+1);
    printf ("i.d + i = i.d\n", y, y+1);
    break;

```

```

default: printf ("wrong WRONG INPUT\n");
}

```

```

    printf ("Press 1 to perform calculation again\n Press any other
key to exit\n");

```

```

    scanf ("%d", &z);

```

```

    if (z != 1)
    {

```

```

        {

```

```

            break;

```

```

        }

```

```

    }
}

```


Lab program 2:

() Aniraj Prasad

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Include <stdio.h>

int sumaver(int a, int b)

{

int sum;

sum = a + b;

printf("Sum = %d\n", sum);

return sum / 2;

}

void printeven(int a, int b)

{

int smaller, larger;

if (a > b)

{

smaller = b;

larger = a;

}

else

{

smaller = a;

larger = b;

}

printf("Even numbers b/w two numbers are: \n");

int i;

for (i = smaller + 1; i < larger; i++)

{

if (i % 2 == 0)

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

}

}

```
int main()
```

```
{
```

```
    int a, b, c, avg, l1, l2;
```

```
    printf("Enter three numbers : \n");
```

```
    scanf("%d %d %d", &a, &b, &c);
```

```
    if (c < a && c < b)
```

```
{
```

```
        l1 = a;
```

```
        l2 = b;
```

```
}
```

```
else if (b < a && b < c)
```

```
{
```

```
    l1 = a;
```

```
    l2 = c;
```

```
}
```

```
else
```

```
{
```

```
    l1 = b;
```

```
    l2 = c;
```

```
}
```

```
    avg = sumavae(l1, l2);
```

```
    printf("Average of two numbers is : %d \n", avg);
```

```
    printf("%d %d", l1, l2);
```

```
}
```