

① SUDESHNA BHUSHAN, 18MI9CS189

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

```
int main
```

```
{
```

```
    int c, a, b, i;
```

```
    while (1)
```

```
    {
```

```
        printf ("PRESS THE NUMBER TO CHOOSE  
                THE OPERATION : \n ");
```

```
        printf ("1) Add \n");
```

```
        printf ("2) Subtract \n");
```

```
        printf ("3) Multiply \n");
```

```
        printf ("4) Divide \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) Increment \n");
```

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

```
        printf ("Enter two numbers to perform  
                the selected operation: \n");
```

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

```
        switch (i)
```

```
        {
```

```
            case 1:
```

```
                printf ("%d + %d = %d \n",  
                        ① a, b, a+b);
```


break;

case 2:

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

case 3:

printf("%.d x %.d = %.d \n", a, b, a*b);
break;

case 4:

printf("%.d / %.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;

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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);
}
```

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


2.

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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 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)
```

(5)

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```
printf ("%d \n", i);  
}  
}  
int main()  
{  
    int a, b, c, avg, g1, g2;  
    printf ("Enter 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 ("Average of two numbers is :  
           %d \n", avg);  
    printf ("g1, g2")  
}
```

⑥