

Q.1 Write a Program to perform all arithmetic operators such as +, -, \*, / and %

Ans:

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

```
int main (){
```

```
int a=12;
```

```
float ans;
```

```
int b=6;
```

```
ans=a+b;
```

```
printf("\naddition of %d and %d is %f",a,b,ans);
```

```
ans=a-b;
```

```
printf("\nSubtraction of %d and %d is %f",a,b,ans);
```

```
ans=a*b;
```

```
printf("\nMultiplication of %d and %d is %f",a,b,ans);
```

```
ans=a/b;
```

```
printf("\nDivision of %d and %d is %f",a,b,ans);
```

```
ans=a%b;
```

```
printf("\nModulo of %d and %d is %f",a,b,ans);
```

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

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

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

```
ans=a+b;
```

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

```
ans=a-b;
```

```
printf("\n%d-%d=%f",a,b,ans);
```

```
ans=a*b;
```

```
printf("\n%d*%d=%f",a,b,ans);
```

```
ans=a/b;
```

```
printf("\n%d/%d=%f",a,b,ans);
```

```
ans=a%b;
```

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

```
return 0;
```

```
}
```

O/p

addition of 12 and 6 is 18.000000

Subtraction of 12 and 6 is 6.000000

Multiplication of 12 and 6 is 72.000000  
Division of 12 and 6 is 2.000000  
Modulo of 12 and 6 is 0.000000

$12+6=18.000000$   
 $12-6=6.000000$   
 $12*6=72.000000$   
 $12/6=2.000000$   
 $12\%d=0.000000$