```c
#include<stdio.h>
int main()
{
 int a,b,sum,diff,pro,quo,rem;
 printf("enter a value ");
 scanf("%d",&a);
 printf("enter b value ");
 scanf("%d",&b);
 sum=a+b;
 diff=a-b;
 pro=a*b;
 quo=a/b;
 rem=a%b;
 printf("Sum of and b is:%d \n",sum);
 printf("difference of a and b is:%d \n",diff);
 printf("product of a and b is:%d \n",pro);
 printf("on dividing a by b quotient is:%d \n",quo);
 printf("on dividing a by b remainder is:%d \n",rem);
 return 0;
}
```

Compile Result

```
enter a value 8
enter b value 2
Sum of and b is:10
difference of a and b is:6
product of a and b is:16
on dividing a by b quotient is:4
on dividing a by b remainder is:0

[Process completed - press Enter]
```