

①. #include <stdio.h>

```
int main ( )  
{
```

```
    int a, b, ch;
```

```
do  
{
```

```
    printf ("enter 2 nos \n");
```

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

```
    printf ("enter choice : 1. add 2. sub. 3.  
multiply 4. divide 5. < 6. <= 7. == 8. !=  
9. mod 10. >= 11. exit \n");
```

```
    printf ("note : for rel. operators : if output 1  
then true, 0 then false \n");
```

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

```
    switch (ch)
```

```
{
```

```
    case 1: printf ("sum : %d \n", a+b);  
    break;
```

```
    case 2: printf ("difference : %d \n", a-b);  
    break;
```

```
    case 3: printf ("product : %d \n", a*b);  
    break;
```

```
    case 4: printf ("quotient : %d \n", a/b);  
    break;
```

```
    case 5: printf ("a < b is : %d \n", a < b);  
    break;
```

```
    case 6: printf ("a > b is : %d \n", a > b);  
    break;
```

```
    case 7: printf ("a == b is : %d \n", a == b);  
    break;
```

```
    case 8: printf ("a != b is : %d \n", a != b);  
    break;
```

```
case 9: printf("a mod b is : %.d \n", a/b);  
break;
```

```
case 10: printf("a >= b is : %.d \n", a >= b);  
break;
```

```
case 11:  
break;
```

```
default: printf("is not invalid entry \n");  
break;
```

```
}
```

```
} while (ch != 11);  
return 0;
```

```
}
```