```c
#include <stdio.h>
int main()
{
    int a, b, s, n;
    n = 1;
    while (n == 1)
    {
        printf("enter 2 numbers :");
        scanf("%d %d", &a, &b);
        printf(" Enter 1 - addition 2 - subtraction
3 - multiplication   4 - remainder
5 - quotient  6 - greater tan or equal
7 - less tan or equal  8 - greater than
9 - less than  10 - equal to");
        scanf("%d", &s);
        switch(s)
        {
            case 1:
            printf("%d + %d = %d", a, b, a+b);
            break;
            case 2:
            printf(" %d - %d = %d", a, b, a-b);
            break;
            case 3:
            printf(" %d * %d = %d", a, b, a+b);
            break;
            case 4:
            printf(" %d divides %d = %d", a, b,
                       a%b);
            break;
            case 5:
            printf("%d / %d", a, b, a/b);
            break;
```

```
case 6 :
    if (a >= b)
        printf ("true");
    else
        printf ("false");
    break;
case 7 :
    if (a <= b)
        printf ("true");
    else
        printf ("false");
    break;
case 8 :
    if (a > b)
        printf (" true");
    else
        printf ("false");
    break;
case 9 :
    if (a < b)
        printf (" true");
    else
        print ("false");
    break;
case 10 :
    if (a == b)
        printf ("true");
    else
        printf ("false");
    break;
    default :   printf ("Invalid input");
}
```

```
printf ("\n enter 1 to continue
              0    to exit");
scanf ("%d", &n);

    3
    return 0;
    3
```