OOJ Lab.

```c
1)  #include <stdio.h>
    int main()
    {
    int  a, b, s, n;
    n=1;
    while (n==1)
    {
    printf("Enter two numbers");
    scanf("%d %d", a, b);
    printf(" Enter  1 - addition
                    2 - subtraction
                    3 - multiplication
                    4 - division
                    5 - greater than
                    6 - lesser than
                    7 - greater than or equal
                    8 - lesser than or equal
                    9 - equalto
                    10 -  not 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 / %d = %d", a, b, a/b);
    break;
    case 5:              if (a>b)
                printf("True"); else printf("False");
```

```c
                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("equal");
         else
             printf("not equal");

         break;
case 10: if (a != b)
             printf("Not equal");
         else
             printf("Equal");

         break;
default : printf("Invalid input");
}

printf("Enter 1 to continue 0 to exist");
scanf("%d", &n);
```