

OOS LAB

```
1. #include <stdio.h>
void arithmetic (int a, int b);
void relational (int a, int b);
int main ()
{
    int a, b, ch;
    printf ("Enter 2 nos\n");
    scanf ("%d %d", &a, &b);
    do
    {
        printf ("Enter your choice\n");
        printf ("menu: 1. arithmetic 2. Relational 3. Exit\n");
        scanf ("%d", &ch);
        switch (ch)
        {
            case 1:
                arithmetic (a, b);
                break;
            case 2:
                relational (a, b);
                break;
            case 3:
                printf ("Exit\n");
                break;
            default ("Enter correct input\n");
        }
    } while (ch != 3);

    return 0;
```

```
void arithmetic (int a, int b)
{
```

```
    int ch, ans;
```

```
    printf ("Enter your choice\n");
```

```
    printf ("menu: 1. add 2. Multiply 3. division 4. modulus 5. sub\n");
```

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

```
    switch (ch)
```

```
    {
```

```
        case 1:
```

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

```
            break;
```

```
        case 2:
```

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

```
            break;
```

```
        case 3:
```

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

```
            break;
```

```
        case 4:
```

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

```
            break;
```

```
        case 5:
```

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

```
            break;
```

```
        default:
```

```
            printf ("Enter correct input\n");
```

```
    }
```

```
}
```

```

2. #include <stdio.h>
float sumaver (int a, int b);
void printeren (int a, int b);
int main ()
{
    float x;
    int a, b, c;
    printf ("Enter 3 nos\n");
    scanf ("%d %d %d", &a, &b, &c);
    if (a > c && b > c)
    {
        x = sumaver (a, b);
        printf ("avg of %d & %d is %f\n", a, b, x);
        printeren (a, b);
    }
    else if (a > b && a > c)
    {
        x = sumaver (a, c);
        printf ("avg of %d & %d is %f\n", a, c, x);
        printeren (a, c);
    }
    else if (b > a && c > a)
    {
        x = sumaver (b, c);
        printf ("avg of %d & %d is %f\n", b, c, x);
        printeren (b, c);
    }
}

float sumaver (int a, int b)
{
    int s, avg;
    s = a + b;
    printf ("sum of %d and %d = %d\n", a, b, s);
}

```



```
avg = s/2.0;
```

```
return avg;
```

```
{
```

```
void printeven (int a, int b)
```

```
{
```

```
if (a > b)
```

```
{
```

```
printf("Even nos from %d to %d\n", b, a);
```

```
for (int i = b; i <= a; i++)
```

```
{
```

```
if (i % 2 == 0)
```

```
printf("%d\n", i);
```

```
}
```

```
}
```

```
else
```

```
{
```

```
printf("Even nos from %d to %d\n", a, b);
```

```
for (int i = a; i <= b; i++)
```

```
{
```

```
if (i % 2 == 0)
```

```
printf("%d\n", i);
```

```
}
```

```
}
```

```
}
```