1)
```c
#include <stdio.h>
#include <stdlib.h>

void main (){
    int run=1;
    while (run=1){
        int num1, num2, opt;
        long long power=1;
        printf(" Enter the first integer: ");
        sconf ("%.d", &num1);
        printf(" Enter the second integer: ");
        sconf ("%.d", &num2);

        printf("\nInput your option: \n");
        printf("1-Add.\n2- Subtract.\n 3-Multiply.\n 4-Divide.\n
                5- Greater Than.\n 6- Less than.\n 7- Equal To.\n
                8 - Not Equal To.\n 9- Average.\n 10-Power.\n Exit.");
        sconf ("%.d", &opt);
```

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```c
switch (opt){
        case 1:
                printf ("The addition of %d and %d is
                        %d"\n, num 1, num 2, num1+num2);
            break;
        case 2:
                printf ("The subraction of %d and %d is
                    %d", num 1, num 2, num 1 - num 2);

            break;

        case 3:
                printf (" the multiplication of %d and %d
                        is %f\n", num 1, num 2, num1*num2)
            break;

        case 4:
            printf ("
        if (num 2 == 0) {
                printf ("Connot divide by 0 \n");
                break;
            } else {
                printf (" Division of %d and %d is
                            %d\n", num1, num2, (float)(
                        num1/ num2));
                break;
            }
```

```c
case 5:
    if (num1 > num2){
        printf ("%d is greater than %d\n", num1,
            num2);
        break;
    } else {
        printf (" %d is greater than %d\n", num2,
            num1);
        break;
    }

case 6:
    if (num1 < num2){
        printf (" %d is less than %d\n", num1,
            num2);
        break;
    } else {
        printf ("%d is less than %d\n", num2,
            num1);
        break;
    }
```

```c
case 7:
        if (num 1 == num 2) {
                printf (" Bothe numbers are equal \n");
                break;
        } else {
                printf ("Given numbers are not equal \n");
                break;
        }

case 8:
        if (num 1 != num 2) {
                printf (" Numbers are not equal");
                break;
        } else {
                printf (" Numbers are equal ");
                break;
        }

case 9:
        printf (" Average of %d and %d is %f \n", num 1,
                num 2, ((float)(num1+num 2)/2));
        break;
```

```c
case 10:
        while (num2 != 0) {
            power *= num1;
            --num2;
        }
        printf(" %d power %d is %lld \n", num1, num2,
                power);

        break;

case 11:
        run = 0;
        exit(1);

default:
        printf("Input correct option \n");
        exit(1);
        }
    }
}
```

2)

```c
#include <stdio.h>

float sumauer (int x, int y){
    int sum = x+y;
    printf (" sum is %d\n", sum);
    return (float)(sum)/2 ;
}

void printeuen (int x, int y){
    int i;

    for (i=y ; i<=x ; i++){
        if (i%2 == 0){
            printf ("%d", i);
        }
    }
}

void main (){
    int g1, g2, n1, n2, n3;
    printf (" Enter 3 numbers \n");
    scanf (" %d %d %d", &n1, &n2, &n3);

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```

```c
if (n1 > n2 && n1 > n3){
    g1 = n1;
    g2 = n2 > n3 ? n2 : n3;
}
if ( n2 > n1 && n2 > n3){
    g1 = n2;
    g2 = n1 > n3 ? n1 : n3;
}

if ( n3 > n1 && n3 > n2){
    g1 = n3;
    g2 = n1 > n2 ? n1 : n2;
}

printf ("%d and %d are the greatest of the 3\n",
        g1, g2);

float sumover1 = sumover (g1, g2);
printf (" value returned by sumover %f\n", sumover
        1);
printf (" Even members between leo the members: ");
printeven (g1, g2);
}
```