

Question - 1

```
#include <stdio.h>
#include <math.h>
int main() {

    int num1, num2, option;
    long long ans = 1;
    printf("Enter first number: ");
    scanf("%d", &num1);
    printf("Enter second number: ");
    scanf("%d", &num2);
    printf("Input your option: \n");
    printf("1-Add\n2-Sub\n3-Mul\n4-Div\n5-Check for equal\n6-Check for greater\n7-Check for smaller\n8-Average\n9-num1^num2\n10-num2^num1\n");
    printf("11-exit\n");
    scanf("%d", &option);
    while(option != 11) {
        switch(option) {
            case 1:
                printf("%d + %d = %d", num1, num2, num1 + num2);
                break;
            case 2:
                printf("%d - %d = %d", num1, num2, num1 - num2);
                break;
            case 3:
                printf("%d * %d = %d", num1, num2, num1 * num2);
                break;
```

Case 11:

```
if (num2 == 0) {  
    printf("Div not possible\n");  
}  
else  
    printf("%d / %d = %d", num1, num2,  
           num1 / num2);  
break;
```

Case 5:

```
if (num1 == num2) {  
    printf("Equal number");  
}  
else  
    printf("Not equal");  
break;
```

Case 7:

```
if (num1 > num2)  
    printf("%d is less", num2);  
else  
    printf("%d is less", num1); break;
```

Case 9:

```
ans = pow(num1, num2);  
printf("%lld", ans); break;
```

Case 10:

```
ans = pow(num2, num1);  
printf("%lld", ans);  
break;
```

}

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

}

```
return 0;
```

}