



main.c

Output



```
1  #include <stdio.h>
2
3  int main() {
4      long int binary1, binary2;
5      int i = 0, remainder = 0, sum[20];
6
7      printf("Enter first binary number:
8              ");
9      scanf("%ld", &binary1);
10     printf("Enter second binary number
11             : ");
12     scanf("%ld", &binary2);
13
14     while (binary1 != 0 || binary2 !=
15            0) {
16         sum[i++] = (binary1 % 10 +
17                     binary2 % 10 + remainder)
18                     % 2;
19         remainder = (binary1 % 10 +
20                     binary2 % 10 + remainder)
21                     / 2;
22         binary1 = binary1 / 10;
23         binary2 = binary2 / 10;
24     }
25
26     if (remainder != 0)
27         sum[i++] = remainder;
```

Run



main.c

Output



```
");
8   scanf("%ld", &binary1);
9   printf("Enter second binary number
    : ");
10  scanf("%ld", &binary2);
11
12  while (binary1 != 0 || binary2 !=
    0) {
13      sum[i++] = (binary1 % 10 +
        binary2 % 10 + remainder)
        % 2;
14      remainder = (binary1 % 10 +
        binary2 % 10 + remainder)
        / 2;
15      binary1 = binary1 / 10;
16      binary2 = binary2 / 10;
17  }
18
19  if (remainder != 0)
20      sum[i++] = remainder;
21
22  printf("Sum of two binary numbers:
    ");
23  for (i = i - 1; i >= 0; i--)
24      printf("%d", sum[i]);
25
26  return 0;
27 }
```

Run



main.c

Output



Enter first binary number: 1011

Enter second binary number: 1101

Sum of two binary numbers: 11000

=== Code Execution Successful ===