```c
#include <stdio.h>
int main()
{
  float a,b;
  int ch;
  scanf("Enter first number: %f\n",&a);
  scanf("Enter second number: %f\n",&b);
  printf("Enter the number of the operation you would like to perform:\n1. Addition\n2.
Subtraction\n3. Multiplication\n4. Division\n5. Modulus\n");
  scanf("%d\n",&ch);
  switch(ch)
    {
    case 1:
        printf("Sum: %f",a+b);
        break;
    case 2:
        printf("Difference: %f",a-b);
        break;
    case 3:
        printf("Product: %f",a*b);
        break;
    case 4:
        printf("Quotient: %f",a+b);
        break;
    case 5:
        printf("Remainder: %d",((int)a%(int)b));
        break;
    default: printf("Incorrect choice.");
    }
  return 0;
}
```