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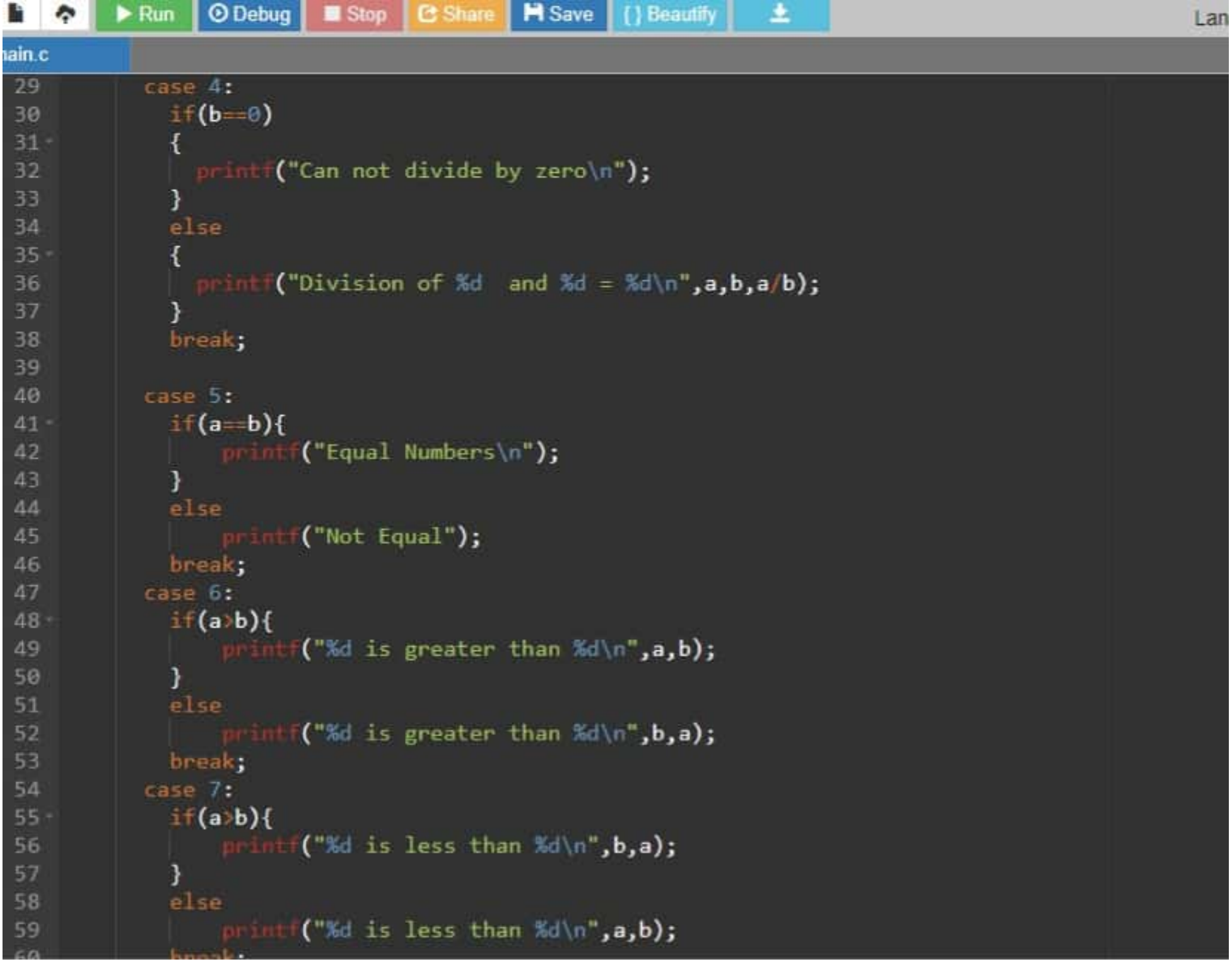
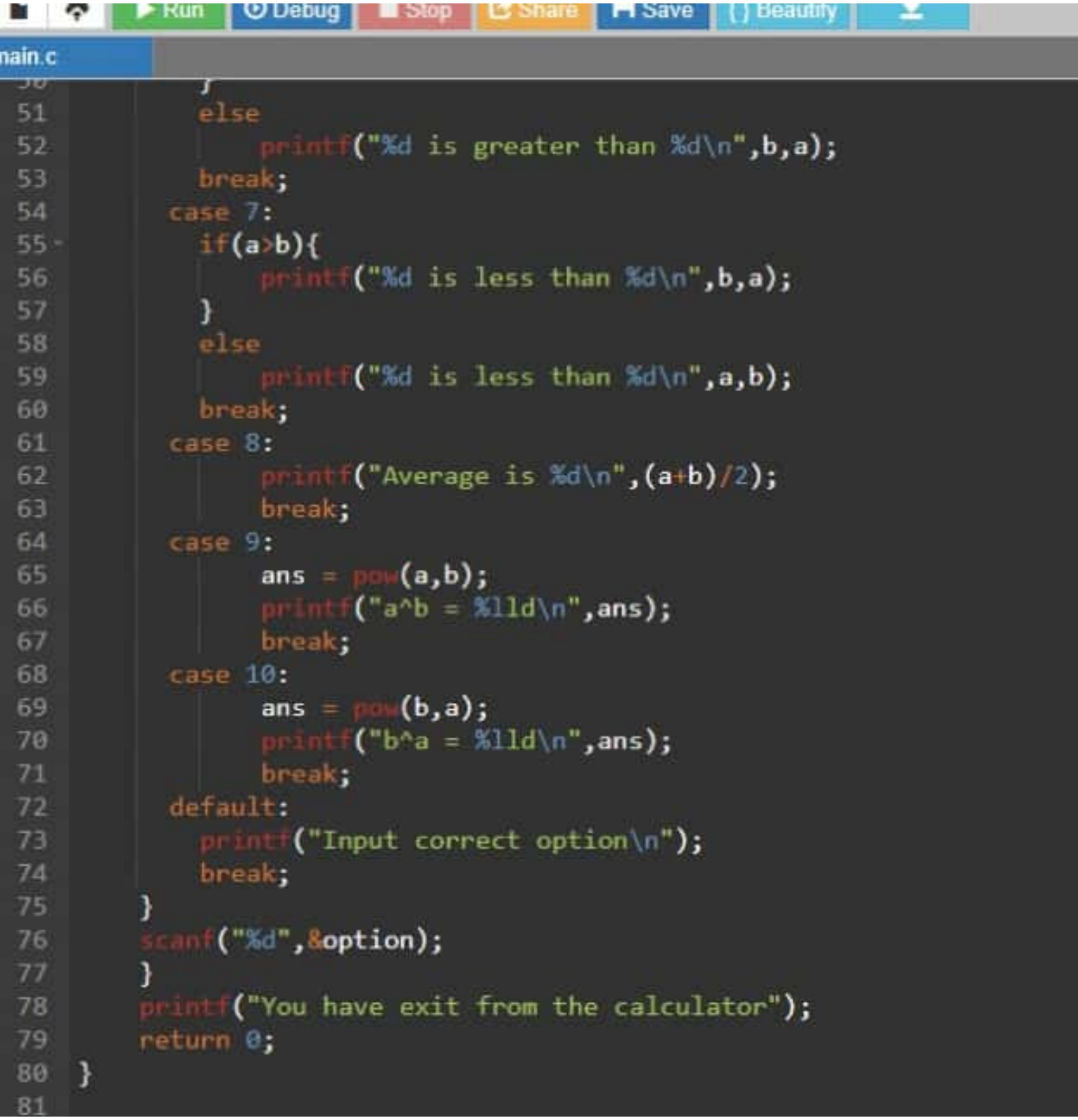
main.c

```c
#include <stdio.h>
#include<math.h>
int main() {
  int a,b,option;
  long long ans = 1;
  printf("Enter the first number :");
  scanf("%d",&a);
  printf("Enter the second number :");
  scanf("%d",&b);

    printf("Enter your option :\n");
    printf("\n1-Addition\n 2-Subtraction\n 3-Multiplication\n 4-Division\n 5-Check if equal numbers\n");
    printf("6-Check for greater number\n 7-Check for lesser number\n 8-Average\n 9-a^b\n 10-b^a\n");
    scanf("%d",&option);
    while(option!=11) {
    switch(option) {
      case 1:
        printf("Addition of  %d and %d = %d\n",a,b,a+b);
        break;

      case 2:
        printf("Subtraction of %d  and %d = %d\n",a,b,a-b);
        break;

      case 3:
        printf("Multiplication of %d  and %d = %d\n",a,b,a*b);
        break;

      case 4:
        if(b==0)
        {
```





```
Enter the first number :4
Enter the second number :2
Enter your option :

 1-Addition
 2-Subtraction
 3-Multiplication
 4-Division
 5-Check if equal numbers
 6-Check for greater number
 7-Check for lesser number
 8-Average
 9-a^b
 10-b^a
3
Multiplication of 4  and 2 = 8
9
a^b = 16
15
Input correct option
11
You have exit from the calculator

...Program finished with exit code 0
Press ENTER to exit console.
```