```
#include <stdio.h>
#include <math.h>
int main()
{
    int pick,option=1;
    double first, second,result;

     do
     {
          printf("1.add \n2.subtract \n3.multiply \n4.
divide\n");
     printf("5.greater number \n6.smaller number \n7.check
equality \n8.greater than equal to\n");
     printf("9.square root \n10.exponent");
     printf("choose an operation(1-10): \n");
     scanf("%d", &pick);
     printf("Enter two operands: ");
     scanf("%lf %lf", &first, &second);
          switch (pick)
          {
     case 1:
          printf("%.1lf + %.1lf = %.1lf", first, second,
first + second);
          break;
     case 2:
          printf("%.1lf - %.1lf = %.1lf", first, second,
first - second);
          break;
     case 3:
          printf("%.1lf * %.1lf = %.1lf", first, second,
first * second);
          break;
     case 4:
          printf("%.1lf / %.1lf = %.1lf", first, second,
first / second);
          break;
        case 5:
          result=(first>second) ? first : second;
               printf("%.", result);
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          break;
        case 6:
          result=(first<second) ? first : second;
               printf("%.1lf is the smaller number",
result);
          break;
        case 7:
          if(first==second)
               printf("the numbers are equal");
          else
               printf("the numbers are not equal");
          break;
        case 8:
          result=(first>=second) ? first : second;
               printf("%.1lf is the smaller number",
result);
          break;
        case 9:
          printf("the square root of %.1f is %.1f", first
,sqrt(first));
          printf("the square root of %.1f is %.1f", second
,sqrt(second));
          break;
        case 10:
          result=pow(first,second);
          printf("%.1lf to the power of %.1lf is %.1lf",
first, second, result);
               break;
        // operator doesn't match any case constant
     default:
          printf("Error! operator is not correct");
     }
     printf("\ndo you want to continue?(1 is yes, 0 is
no)");
     scanf("%d",&option);
     }while(option == 1);
     return 0;
```
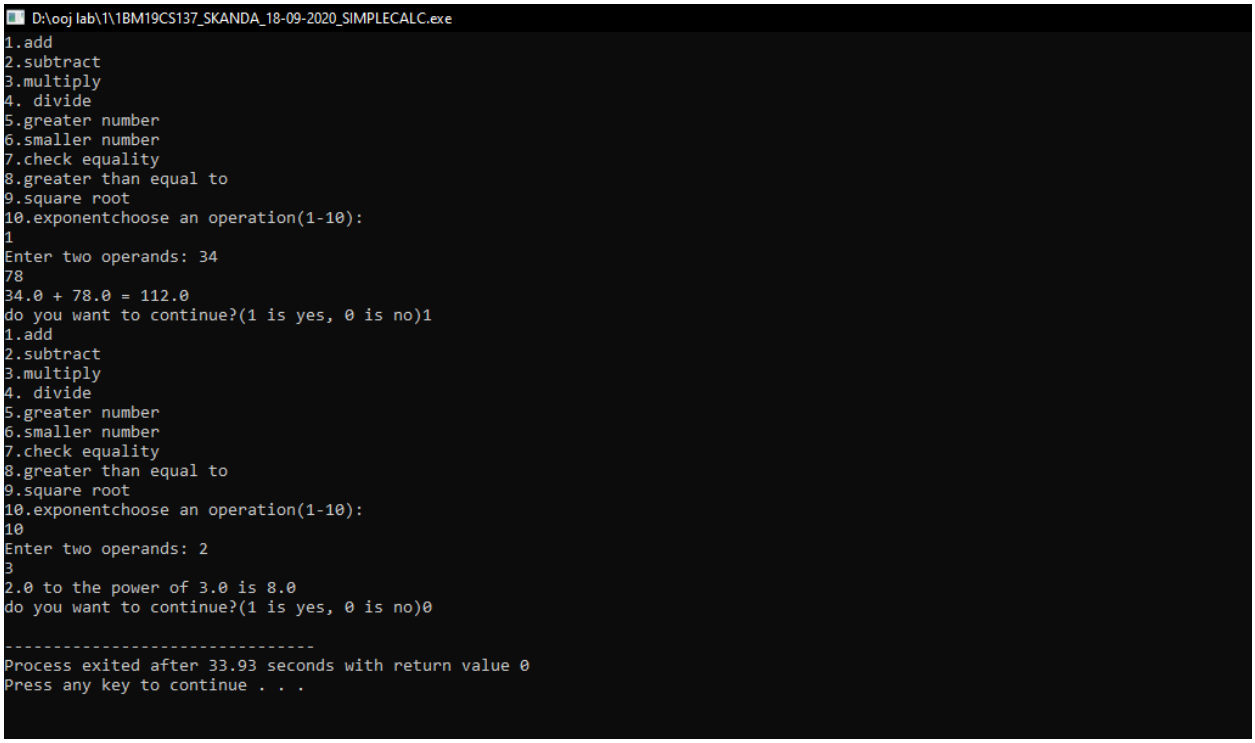

}


D:\ooj lab\1\1BM19CS137_SKANDA_18-09-2020_SIMPLECALC.exe
1.add
2.subtract
3.multiply
4. divide
5.greater number
6.smaller number
7.check equality
8.greater than equal to
9.square root
10.exponentchoose an operation(1-10):
1
Enter two operands: 34
78
34.0 + 78.0 = 112.0
do you want to continue?(1 is yes, 0 is no)1
1.add
2.subtract
3.multiply
4. divide
5.greater number
6.smaller number
7.check equality
8.greater than equal to
9.square root
10.exponentchoose an operation(1-10):
10
Enter two operands: 2
3
2.0 to the power of 3.0 is 8.0
do you want to continue?(1 is yes, 0 is no)0

Process exited after 33.93 seconds with return value 0
Press any key to continue . . .