ASSIGNMENT-1

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CSE



Model Institute of Engineering & Technology (Autonomous)

(Permanently Affiliated to the University of Jammu, Accredited by NAAC with "A" Grade)

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Q1 Write a c program to find the maximum and minimum element in an array.

Output:

Q2 Write a program for calculator using elseif and do while.

```
int main() {
            char operator;
             double num1, num2, result;
                  printf("Enter an operator (+, -, *, /) or 'q' to quit: ");
                  scanf(" %c", &operator);
                  // Check for quit condition
if (operator == 'q' || operator == 'Q') {
    break; // Exit the loop if 'q' is entered
                 printf("Enter two numbers: ");
scanf("%lf %lf", &num1, &num2);
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                  if (operator == '+') {
                      result = num1 + num2;
                  else if (operator ==
                  result = num1 - num2;
} else if (operator == '*') {
                  } else if (operator == '/') {
                       // Check for division by zero if (num2 != 0) {
                            result = num1 / num2;
                       } else {
                            printf("Error: Division by zero!\n");
continue; // Restart the loop
                                                                                                             Ln 23, Col 34 Spaces: 4 UTF-8 CRLF {} C windows-gcc-x86 Q
```

Output:

```
PROBLEMS OUTPUT DEBUG CONSOLE TERMINAL PORTS
                                                                                                                              ∑ Code
PS C:\Users\admin\c programs>
                          > cd "c:\Users\admin\c programs"
                                                                                                                              ∑ Code
PS C:\Users\admin\c programs> cd "c:\Users\admin\c programs\" ; if ($?) { gcc Calculator.c -o Calculator } ; if ($?) { .\Calcula
                                                                                                                              Σ Code
                                                                                                                              ∑ Code
Enter an operator (+, -, *, /) or 'q' to quit: +
Enter two numbers: 23 45
Result: 68.00
Enter an operator (+, -, *, /) or 'q' to quit: q
Calculator closed.
PS C:\Users\admin\c programs>
                                                                                                     Activate Windows
                                                                                                     Go to Settings to activate Windows.
₩0
                                                                                    Ln 10, Col 33 Spaces: 4 UTF-8 CRLF () C windows-gcc-x86 Q
```