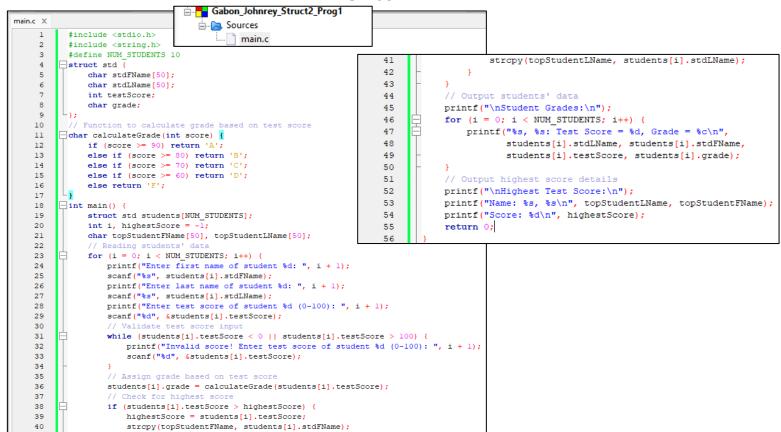
## STRUCT 1

```
main.c ×
                                                     38
                                                                 // Calculating and displaying salaries
      1
             #include <stdio.h>
                                                                for (i = 0; i < NUM_EMPLOYEES; i++)</pre>
                                                     39
             #include <string.h>
      2
                                                     40
      3
                                                                    int monthlySalary = employees[i].baseSalary + (employees[i].overTimeHours * 20);
printf("%s %s %d\n", employees[i].empFName, employees[i].empLName, monthlySalary);
                                                     41
      4
             #define NUM EMPLOYEES 5
                                                     42
      5
                                                     43
                                                     44
             struct emp
      6
                                                                             Enter first name: John
                                                     45
                                                                return 0;
      7
          ₽ {
                                                                             Enter last name: Smith
                                                     46
      8
                  char empFName[50];
                                                                              Enter base salary: 3000
      9
                  char empLName[50];
                                                                             Enter the overtime hours: 10
     10
                  int baseSalary;
     11
                  int overTimeHours;
                                                                              Enter first name: Mary
     12
                                         Gabon_Johnrey_Struct1_Prog1
                                                                             Enter last name: Johnson
     13
                                            Sources
                                                                             Enter base salary: 3500
     14
             int main()
                                                                              Enter the overtime hours: 15
                                               main.c
    15
          □ {
                                                                             Enter first name: David
    16
                  struct emp employees[NUM_EMPLOYEES];
                                                                             Enter last name: Wilson
     17
                  int i;
                                                                              Enter base salary: 4000
    18
                                                                             Enter the overtime hours: 5
    19
                  // Reading employee details
     20
                  for (i = 0; i < NUM EMPLOYEES; i++)
                                                                             Enter first name: Sarah
     21
          Ė
                                                                              Enter last name: Brown
     22
                       printf("Enter first name: ");
                                                                             Enter base salary: 3800
Enter the overtime hours: 8
     23
                       scanf("%s", employees[i].empFName);
     24
     25
                       printf("Enter last name: ");
                                                                             Enter first name: Michael
                                                                             Enter last name: Davis
     26
                       scanf("%s", employees[i].empLName);
                                                                             Enter base salary: 4200
     27
                                                                             Enter the overtime hours: 12
     28
                       printf("Enter base salary: ");
                       scanf("%d", &employees[i].baseSalary);
     29
     30
                                                                             Employee Monthly Salaries:
     31
                       printf("Enter the overtime hours: ");
                                                                             John Smith 3200
                       scanf("%d", &employees[i].overTimeHours);
     32
                                                                             Mary Johnson 3800
                       printf("\n");
     33
                                                                             David Wilson 4100
     34
                                                                              Sarah Brown 3960
     35
                                                                             Michael Davis 4440
                  printf("\nEmployee Monthly Salaries:\n");
     36
```

## STRUCT 2



```
Enter first name of student 1: John
Enter last name of student 1: Smith
Enter test score of student 1 (0-100): 95
Enter first name of student 2: Mary
Enter last name of student 2: Johnson
Enter test score of student 2 (0-100): 87
Enter first name of student 3: David
Enter last name of student 3: Wilson
Enter test score of student 3 (0-100): 73
Enter first name of student 4: Sarah
Enter last name of student 4: Brown
Enter test score of student 4 (0-100): 92
Enter first name of student 5: Michael
Enter last name of student 5: Silva
Enter test score of student 5 (0-100): 89
Enter first name of student 6: Emma
Enter last name of student 6: Taylor
Enter test score of student 6 (0-100): 88
Enter first name of student 7: James
Enter last name of student 7: Anderson
Enter test score of student 7 (0-100): 78
Enter first name of student 8: Lisa
Enter last name of student 8: Martinez
Enter test score of student 8 (0-100): 91
Enter first name of student 9: Robert
Enter last name of student 9: Thomas
Enter test score of student 9 (0-100): 83
Enter first name of student 10: Jennifer
Enter last name of student 10: White
Enter test score of student 10 (0-100): 79
```

```
Student Grades:

Smith, John: Test Score = 95, Grade = A

Johnson, Mary: Test Score = 87, Grade = B

Wilson, David: Test Score = 73, Grade = C

Brown, Sarah: Test Score = 92, Grade = A

Silva, Michael: Test Score = 89, Grade = B

Taylor, Emma: Test Score = 88, Grade = B

Anderson, James: Test Score = 78, Grade = C

Martinez, Lisa: Test Score = 91, Grade = A

Thomas, Robert: Test Score = 83, Grade = B

White, Jennifer: Test Score = 79, Grade = C

Highest Test Score:

Name: Smith, John

Score: 95

Process returned 0 (0x0) execution time: 97.987 s

Press any key to continue.
```