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Roll no SU 92-BS ITM-F22-019

Home Task

Program 8.3

```
oug 8.3.cpp
           1 /* This program uses structure to store employ salary and id and then displays it on the screen */
2 #include <iostream>
                  using namespace std;
struct BooksRecord
            5 🖵
           6
7
8
9
                          int Book Id ;
                          float Price ;
          10 int main()
11 🖯 {
          12
13
14
15
16
17
18
                           BooksRecord b1,b2;
                               cout << "Enter the id "<< endl;
                                cin >> b1.Book_Id ;
cout << "Enter the ld << endl;
cout << "Enter the pages "<< endl;
                               cin >> b1.Pages ;
cout << "Enter the price "<< endl;
                               cout << "Enter the price "<< endl;
cin >> bl.Price;
cout << "Now Please give the details of the second book " << endl;
cout << "Enter the id "<< endl;
cin >> b2.Book Id;
cout << "Enter the pages "<< endl;
cin >> b2.Book Id;
          19
20
21
22
23
24
25
                               cin >> b2.Pages ;
cout << "Enter the price "<< endl;</pre>
          26
27
                                cin >> b2.Price ;
cout << " The book with the highest price " << endl;</pre>
          28
29 <del>-</del>
                           if ( b1.Price > b2.Price )
                               cout << "Book Id " << b1.Book_Id << endl;</pre>
esources 🛍 Compile Log 🧳 Debug 🗓 Find Results 🍇 Close
```

Another part

```
29 🗔
                       cout << "Book Id " << b1.Book_Id << endl;</pre>
30
                      cout << "Pages " << b1.Pages << endl;
cout << "Price " << b1.Price << endl;</pre>
31
32
33
34
                  else
35 🗀
                      cout << "Book Id " << b2.Book_Id << endl;
cout << "Pages " << b2.Pages << endl;
cout << "Price " << b2.Price << endl;</pre>
36
37
38
39
40
                return 0 ;
41
```

```
Enter the id
Enter the pages
Enter the price
1234
Now Please give the details of the second book
Enter the id
45
Enter the pages
23123
Enter the price
234235
The book with the highest price
Book Id 45
Pages 23123
Price 234235
Process exited after 12.42 seconds with return value 0
Press any key to continue . . .
```

```
8.3.cpp 8.4.cpp
 1 V* This program uses the structure to store employ id and salary and then displays it on the screen */
2 #include <iostream>
   3 using namespace std;
  4 struct Employee_Details
  6 7 8
               int Id;
             int Salary ;
        int main()
 9 in
10 🖵 {
              Employee_Details E ;
cout << "Enter your Id please " << endl;
cin >> E.Id ;
 12
 13
               cout << "Enter your salary please " << endl;</pre>
              cout << "Full Details of the employ salary are " << endl;
cout << "Full Details of the employ salary are " << endl;
cout << "Employ Id " << E.Id << endl;
cout << "Employ Salary " << E.Salary << endl;
 15
 16
 17
               return 0 ;
 19
 20 }
```

```
8.3.срр 8.4.срр 8.5.срр
    1 V*This program uses the structure to store the different parts of a number */
         #include <iostream>
         using namespace std;
    3
    4
            struct Phone
    5 🖃
    6
              int NationalCode;
              int AreaCode ;
    7
    8
              int Number ;
    9
   10
            int main ()
   11 🖃
              Phone p1 , p2 ;
   12
   13
              p1.NationalCode = 92 ;
              p1.AreaCode = 41 ;
   14
              p1.Number = 2344557 ;
   15
   16
              cout << "Enter the National code " << endl;
              cin >> p2.NationalCode ;
   17
              cout << "Enter the Area code " << endl;
   18
   19
              cin >> p2.AreaCode ;
   20
              cout << "Enter the Number " << endl;
              cin >> p2.Number ;
cout << "Phone number 1 : " << endl;
cout << "+" << p1.NationalCode << "-" << p1.AreaCode << "-" << p1.Number << endl;</pre>
   21
   22
   23
              cout << "Phone number 2 : " << endl;
cout << "+" << p2.NationalCode << "-" << p2.AreaCode << "-" << p2.Number << endl;</pre>
   24
   25
   26
```

```
SSES Debug 8.3.cpp 8.4.cpp 8.5.cpp

C:\Users\Zeeshan\Desktop\8. \times + \forall 

Enter the National code 
94
Enter the Area code 
45
Enter the Number 
2463532
Phone number 1 : 
+92-41-2344557
Phone number 2 : 
+94-45-2463532

Process exited after 7.434 seconds with return value 0 
Press any key to continue . . .
```

```
8.3.cpp 8.4.cpp 8.5.cpp 8.6.cpp
1 V^* This program calculates the gross pay of the employ using the structure */
        #include <iostream>
       using namespace std;
             struct EmployPay
 5 🖵
 6
                int EmployNumber ;
                char EmployFirstName ;
char EmploySecondName ;
 7
 8
 9
                int PayRate , NumberOfHours , GrossPay ;
10 L
11
       int main()
12 🖂 {
               EmployPay Employee ;
cout << "Enter employ number " << endl;</pre>
13
               cin >> Employee.EmployNumber ;
cout << "Enter First name " << endl;</pre>
15
16
17
               cin >> Employee.EmployFirstName ;
18
               cout << "Enter Second name " << endl;</pre>
19
               cin >> Employee.EmploySecondName ;
20
               cout << "Enter number of hours " << endl;</pre>
21
               cin >> Employee.NumberOfHours ;
22
               cout << "Enter pay rate " << endl;</pre>
23
               cin >> Employee.PayRate;
              cin >> Employee.PayRate ;
Employee.GrossPay = Employee.NumberOfHours * Employee.PayRate ;
cout << "Full details of the employees are" << endl;
cout << "Name " << Employee.EmployFirstName << " " << Employee.EmploySecondName << endl;
cout << "Number " << Employee.EmployNumber << endl;
cout << "Number of hours worked " << Employee.NumberOfHours << endl;
cout << "Pay Rate " << Employee.PayRate << endl;
cout << "Gross Pay " << Employee.GrossPay << endl;</pre>
24
25
26
27
28
29
30
```



