UNIVERSITY OF ENGINEERING AND TECHNOLOGY, TAXILA



SOFTWARE ENGINEERING

LAB-10 SOLUTION

SUBMITTED TO: MS.SABA AWAN

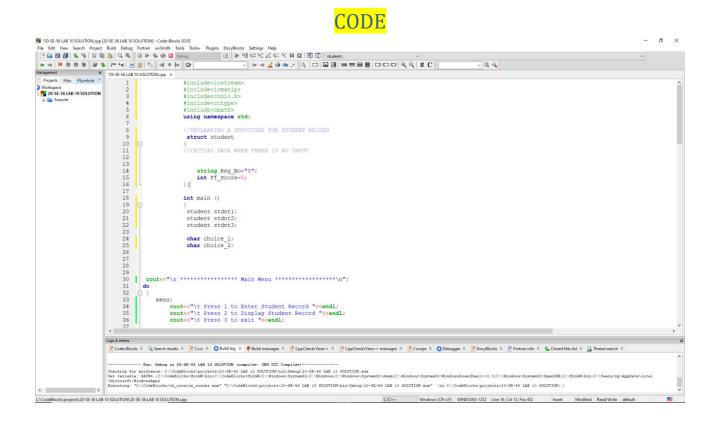
SUBMITTED BY: MUHAMMAD ARSALAN

REG NO : <u>20-SE-56</u>

TASK-1

Make a program that uses a structure named student and contains two members namely **Roll number** and **PF Score**. Roll number should be initialized at the start of program. User can enter PF Score of **at most 3 students**. Make use of switch statement, do while loop or goto to repeatedly display the main menu.

SOLUTION



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- ø ×
  Management × *20-SE-56 LAB 10 SOLUTION.cpp × 38 cin>>choi
                                                      cin>>choice_1;
    cout<<endl</pre>
cout<<"\t press 1 for ist student record"<<endl;
cout<<"\t press 2 for 2nd student record"<<endl;
cout<<"\t press 3 for 3nd student record"<<endl;
cout<<"\t press 3 for 3nd student record"<<endl;
cout<<"\t press 4 for return to main menu"<<endl
cout<<"\t press 5 to exit \n"<<endl;</pre>
                                                                                                                                                         start:
cout<<endl<<"\t Enter your choice"<<endl;</pre>
                                                                                                                                                   cin>>choice_2;
    cout<<endl;
switch(choice_2)</pre>
                                                                                   /CASE 1 ,CASE 2,CASE 3 ARE FOR 3 STUDENTS WHILE CASE 4 WILL RETURN TO MAIN MENU CASE 5 WILL EBD THE PROGRAMME CASE 11:
                                                                                                                                                                                               cout<<endl;
cout << "Enter Reg_No: ";
cin >>stdnt1.Reg_No;
cout<<endl;
cout << "Enter PF Marks ";
cin >> stdnt1.Pf_Score;
cout</endl;
goto start;
break;
                                                                                                               Logs & others
                                                      P Code:Blocks X Q Search results X P Cocc X D Build log X P Build log X P Build messages X P Copposex Y P Cocope X D Douyslocks X P Fortran info X Q Closed file last X 🔝 Thread search X
                                                    This: Debog in 20-SE-56 LAB 10 SOUTION (compiler: GNU GCC Compiler)

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C:\CodeBlocks\projects\20-SE-56 LAB 10 SOLUTION\20-SE-56 LAB 10 SOLUTION.cpp
                                                                                                                                                                                                                                                                                                                                                                                                                                                                o ×
 # *20-SE-56 LAB 10 SOLUTION.cpp [20-SE-56 LAB 10 SOLUTION] - Code:Blocks 20.03
 case '2':
    Workspace
20-SE-56 LAB 10 SOLUTION
                                                                                                                                                                                                cout << "Enter Reg_No: ";
cin >> stdnt2.Reg_No;
cout << "Enter PF Marks ";
cin >> stdnt2.Pf_Score;
goto start;
                                                                                                                                                                                                break;
                                                                                                                       case '3':
                                                                                                                                                                                               cout << "Enter Reg_No: ";
cin >> stdnt3.Reg_No;
cout << "Enter PF Marks ";
cin >> stdnt3.Pf_Score;
goto start;
break;
                                                                                                                                                              case '4':
                                                                                                                                                                    case '5':
                                                                                                                                                                                       exit(0);
                                                                                                                                                         )// IT IS END OF SWITCH choice 1
break:
                                                    Logs & others
                                                      📝 Code:Blocks X 🔍 Search results X 📝 Cocc X 🐧 Build log X 🛉 Build log X 🛉 Build messages X 💆 CpCpbeck/Vera+ x 🙋 CppCheck/Vera+ messages X 💆 Cocope X 👰 Debugger X 👰 DolyBlocks X 👚 Fotran info X 🐁 Closed file lat X 🐊 Thread search X
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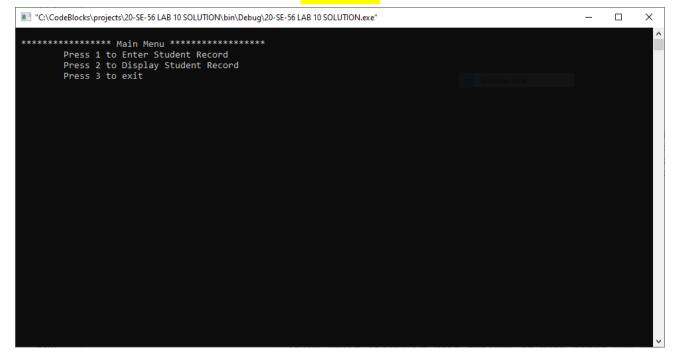
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                                                                                                                                                                                   Workspace
20-SE-56 LAB 10 SOLUTION
3- Sources
                                                                                                                                                                                                                                                                                                                                                                                                                      )// END OF CASE 1 OF STUDENT RECORD
                                                                                                                                                                                                                                                                                                                                                                         case '2':
//CASE 2 TO DISPLAY ALL INPUT STUDENT RECORD
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         cout<<setw(20)<<"Roll No."<<setw(20)<<"FF Score"<<endl<<endl;
cout<<setw(20)<<stdrl.Reg_No<<setw(20)<<stdrl.Ff_Score<<endl<<endl;
cout<<setw(20)<stdrl.Ff_Score<<endl<<endl;
cout<<setw(20)<stdrl.Fg_No<<setw(20)<stdrl.Ff_Score<<endl<<endl;
cout<<setw(20)<<stdrl.Ff_Score<<endl<<endl;
cout<<setw(20)<<stdrl.Ff_Score<<endl<<endl;
cout</pr>
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  break;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  case '3':
                                                                                                                                                                                                                                                                                                                                                                                                                                                        //CASE 3 TO END THE PROGRAMM
COUT<!

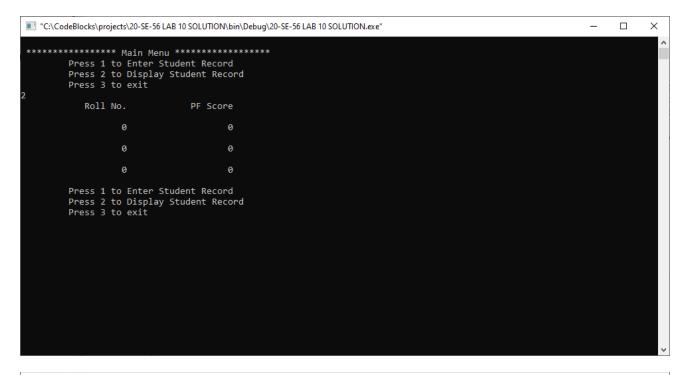
COUT

                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  exit(0);
}// end of case power function
                                                                                                                                                                                                                                                                                                                                                                                                                                                        //ABOVE WHOLE PROGRAMME WILL EXECUTE IF USER PRESS ANY KEY WITHOUT 3
) while (choice_1 != '3');
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                return 0;
                                                                                                                                                            Logs & others
                                                                                                                                                                🖟 Code:Blocks X 👊 Search results X 🤌 Cocc X 🐧 Build fog X 📌 Build messages X 🧷 CppCheck/Vers+ X 🧷 CppCheck/Vers+ messages X 🧷 Cocpe X 🐧 Debugger X 🥬 Debugger X 🥬 DopyBlocks X 🔭 Fortran info X 🐁 Closed files list X 🕍 Interest deserts X
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OUTPUT





```
■ "C\CodeBlocks\projects\20-SE-56 LAB 10 SOLUTION\bin\Debug\20-SE-56 LAB 10 SOLUTION.exe"

Enter your choice

I

Enter Reg_No: 20-SE-56
Enter PF Marks 20

Enter your choice

2

Enter Reg_No: 20-SE-20
Enter PF Marks 30

Enter your choice

3

Enter Reg_No: 20-ME-44
Enter PF Marks 60

Enter PF Marks 60

Enter your choice

4

Press 1 to Enter Student Record
Press 2 to Display Student Record
Press 3 to exit
```

```
×
 "C:\CodeBlocks\projects\20-SE-56 LAB 10 SOLUTION\bin\Debug\20-SE-56 LAB 10 SOLUTION.exe"
                                                                                                                                                                             Enter Reg_No: 20-SE-20
Enter PF Marks 30
             Enter your choice
Enter Reg_No: 20-ME-44
Enter PF Marks 60
             Enter your choice
             Press 1 to Enter Student Record
Press 2 to Display Student Record
Press 3 to exit
                  Roll No.
                  20-SE-56
                                                          20
                  20-SE-20
                                                          30
                  20-ME-44
                                                          60
             Press 1 to Enter Student Record
Press 2 to Display Student Record
Press 3 to exit
```

```
I "C:\CodeBlocks\projects\20-SE-56 LAB 10 SOLUTION\bin\Debug\20-SE-56 LAB 10 SOLUTION.exe" — X

Senter Reg_No: 20-ME-44
Enter PF Marks 60

Enter your choice

4

Press 1 to Enter Student Record
Press 2 to Display Student Record
Press 3 to exit

2

Roll No. PF Score
20-SE-56 20
20-SE-20 30
20-ME-44 60

Press 1 to Enter Student Record
Press 2 to Display Student Record
Press 3 to exit

3

YOU WANTED TO TERMINATE THE PROGRAMM THANK YOU!!!!!!!!

Process returned 0 (0x0) execution time : 927.749 s
Press any key to continue.
```