UNIVERSITY OF ENGINEERING AND TECHNOLOGY, TAXILA



SOFTWARE ENGINEERING

LAB-6 SOLUTION

SUBMITTED TO: MS.SABA AWAN

SUBMITTED BY: MUHAMMAD ARSALAN

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

TASK-1

❖ Write a C++ program in which user will enter Character.

Program should check and display whether a character is Vowel or Consonant.

SOLUTION

```
■ "C\CodeBlocks\projects\20-SE-56 LAB-6 TASKI\bin\Debug\20-SE-56 LAB-6.exe" — X

Enter An Alphabet: D
D is a consonant.

Process returned 0 (0x0) execution time: 2.382 s

Press any key to continue.
```

TASK-2

• Write C++ program to Find Largest Number Among Three Numbers

SOLUTION

```
**Soft-St-Lab & TASSZ-cyp (20-51-56 Lab & TASSZ) - Code: Blocks 20:03

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**Soft St. Lab & TASSZ-cyp (20-51-56 Lab & TASSZ-cyp X)

**Projects Files Flymbols **

1 #include<iostream>
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  Workspace
20-SE-56 LAB 6 TASK2
Da. Sources
                                                                                                      2 using namespace std;
                                                                                                                                                   float x, v, z;
                                                                                                                                                                           cout<<"Enter three numbers: ";
                                                                                                                                                                         cin>>x>>y>>z;
                                                                                                                                 //using if else statement determining largest number among these
                                                                                                 10
                                                                                                11
12
                                                                                                                                                 if((x>=y)&&(x>=z))
    cout<<"Largest number: "<<x;</pre>
                                                                                                 13
14
                                                                                                                                                    else if ((y>=x)&&(y>=z))
cout<<"Largest number: "<<y;
                                                                                                 15
16
17
18
                                                                                                                                                                         cout<<"Largest number: "<<z;</pre>
                                                                                                                                                    return 0;
                                                                                                 19
                                                                                                  20
                                                                                                 21
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27
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Code:Blocks X Q. Search results X P. Cocc X D Build log X P Build messages X P. CopCheck/Vers++ X P. CopCheck/Vers++ messages X P. Cocope X Debugger X P. DovyBlocks X P. Fortran info X & Closed files list X Q. Thread search X
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```
■ "C\CodeBlocks\projects\20-SE-56 LAB-6 TASK2\bin\Debug\20-SE-56 LAB 6 TASK2.exe" —  

Enter three numbers: 3 6 11
Largest number: 11
Process returned 0 (0x0) execution time: 17.781 s

Press any key to continue.
```

TASK-3

• Write C++ program to Check Whether Number is Even or Odd using nested if statements.

SOLUTION

```
- 0 ×
                                                int main(){
   int dig;
   cout<<"Enter an Integer: ";</pre>
                              cin>>dig;
if(dig!=0)
                     if(dig%2==0)
                                 cout<<"The number Is Even"<<endl;</pre>
                                  else(
cout<<"The number Is Odd"<<endl;</pre>
                                  else{
cout<<"The number Is Even"<<endl;</pre>
                                 cout<<"This line is always printed"<<endl;
return 0;</pre>
                 Logs & others
                 🖟 Code:Blocks X 👊 Search results X 🤌 Cccc X 🐧 Build fog X 📌 Build measures X 🧷 CppCheck/Vera+- X 🧷 CppCheck/Vera+- measures X 🧶 Coope X 🐧 Debugger X 🤻 Debugger X 🤻 Dopyslocks X 🔭 Fortrain info X 🐁 Closed files list X 🚕 Thread search X
                 C/C++ Windows (CR+LF) WINDOWS-1252 Line 3, Col 21, Pos 42
C:\CodeBlocks\projects\20-SE-56 LAB-6 TASK3\20-SE-56 LAB-6 TASK3.cpp
                                                                                                                        Insert Read/Write default
```

