

**NAME :FAIZAN ALI**

**ASSIGNMENT NO 3 HOME TASK FOP**

**462013**

**SECTION A ME-15**

## TASK 1

```
#include<iostream>

using namespace std;

int main(){

char var;

cout<<"enter the first letter of a province eg.\np\nb\nk\ns\n";

cin>>var;


switch (var){

case'p':

cout<<"population of punjab is 127,474,000\n";

break;

case'b':

cout<<"population of balochistan is 21.7 million \n";

break;

case's':

cout<<"population of sindh is 54,858,515\n";

break;
```

```
case 'k':  
    cout<<"population of kpk is 40.85 million \n";  
    break;  
}
```

## **TASK 2:**

```
char var;  
  
cout<<"please enter the alphabet between a and z\n";  
cin>>var;
```

```
if (var>='a' && var<='z'){  
    switch (var){  
        case 'a': cout<<"Vowel"<<endl;  
        break;  
        case 'e': cout<<"Vowel"<<endl;  
        break;  
        case 'i': cout<<"Vowel"<<endl;  
        break;  
        case 'o': cout<<"Vowel"<<endl;  
        break;  
        case 'u': cout<<"Vowel"<<endl;  
        break;  
        default:cout<<"consonant";  
        break;  
    }  
}
```

## **TASK 3:**

```
int num1;
```

```
int n;
cout<<"enter the number\n";
cin>>num1;

if (num1>0){
    n = 1;
}
else if (num1==0){
    n = 0;
}
else{
    n = -1;
}
switch(n){
    case 1: cout<<"positive\n";
        break;
    case 0: cout<<"zero\n";
        break;
    case -1: cout<<"negative\n";
        break;
}
```

#### **TASK 4**

```
int age;
cout<<"enter your age between 0 and 100\n";
cin>>age;
if (age<=0 || age>100){
    cout<<"Invalid input.";
}
```

```

else {
    if(age<=13 && age>0){
        cout<<"child\n";
    }
    else {

        if (age>=13 && age<=19){
            cout<<"teenager\n";
        }
        else{ if (age>18 && age<=100)      {

            cout<<"adult\n";
        }
    }
}

```

## **TASK 5**

```

int num1,num2,num3;
cout<<"enter integer 1\n";
cin>>num1;
cout<<"enter integer 2\n";
cin>>num2;
cout<<"enter integer 3\n";
cin>>num3;

```

```

    if (num1 > num2){

```

```

    if (num1 > num3)
    cout<<num1<<" is greatest"<<endl;
    else{
        if (num2> num3)
        cout<<num2<<" is greatest"<<endl;
        else{
            cout<<num3<<" is greatest"<<endl;
        }
    }

}
}

}else{
    if (num2 > num3)
    cout<<num2<<" is greatest"<<endl;
    else{
        cout<<num3<<" is greatest"<<endl;
    }
}
}

```

### **TASK 6:**

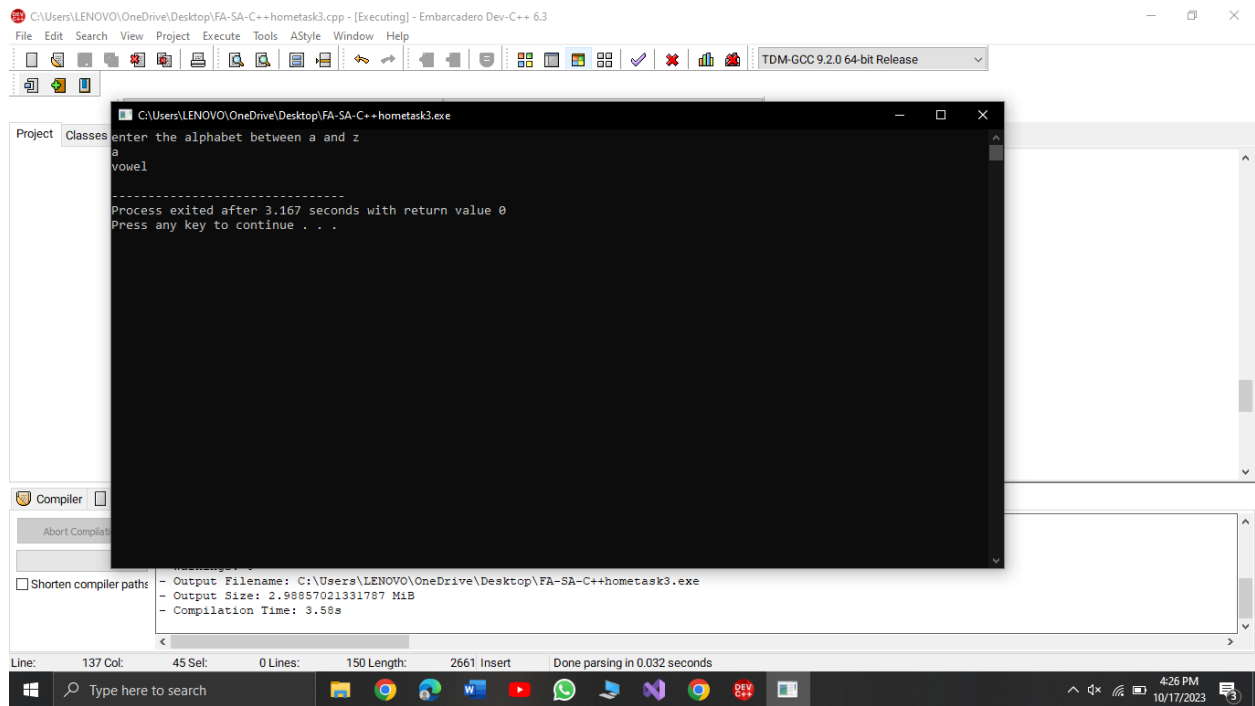
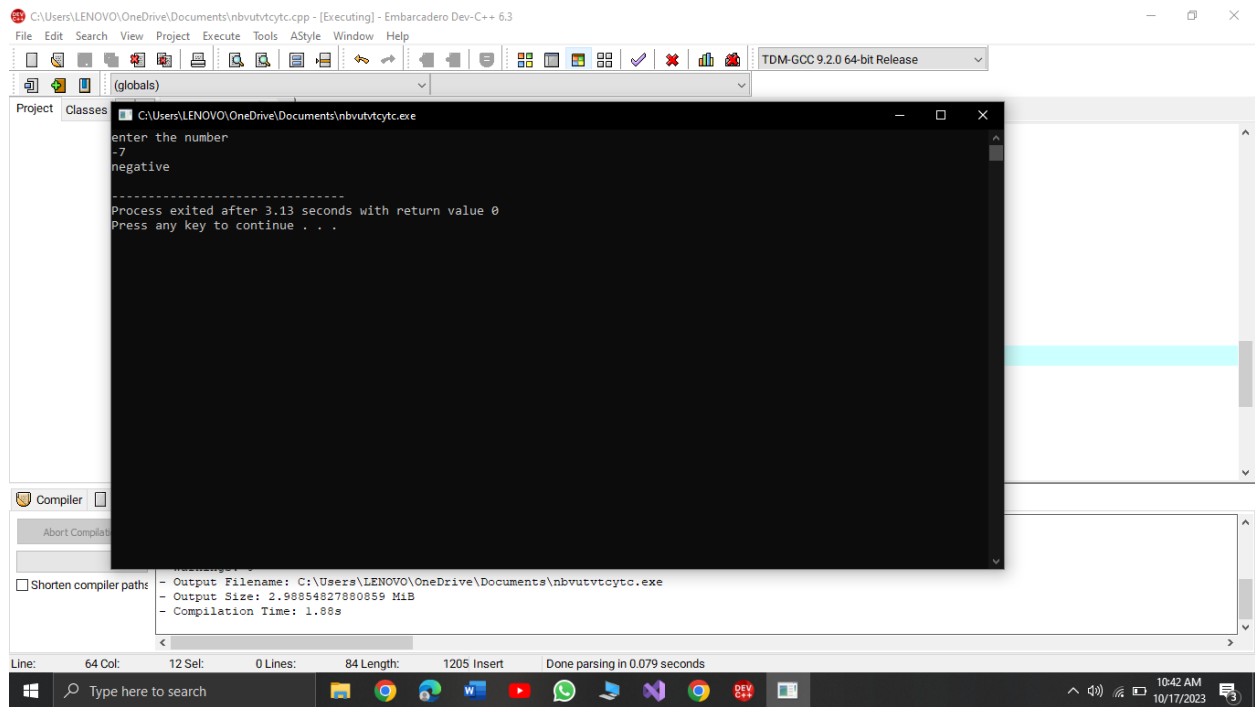
```

char var;
cout<<"enter the alphabet between a and z\n";
cin>>var;
if ( var=='a'){
    cout<<"vowel\n";
}

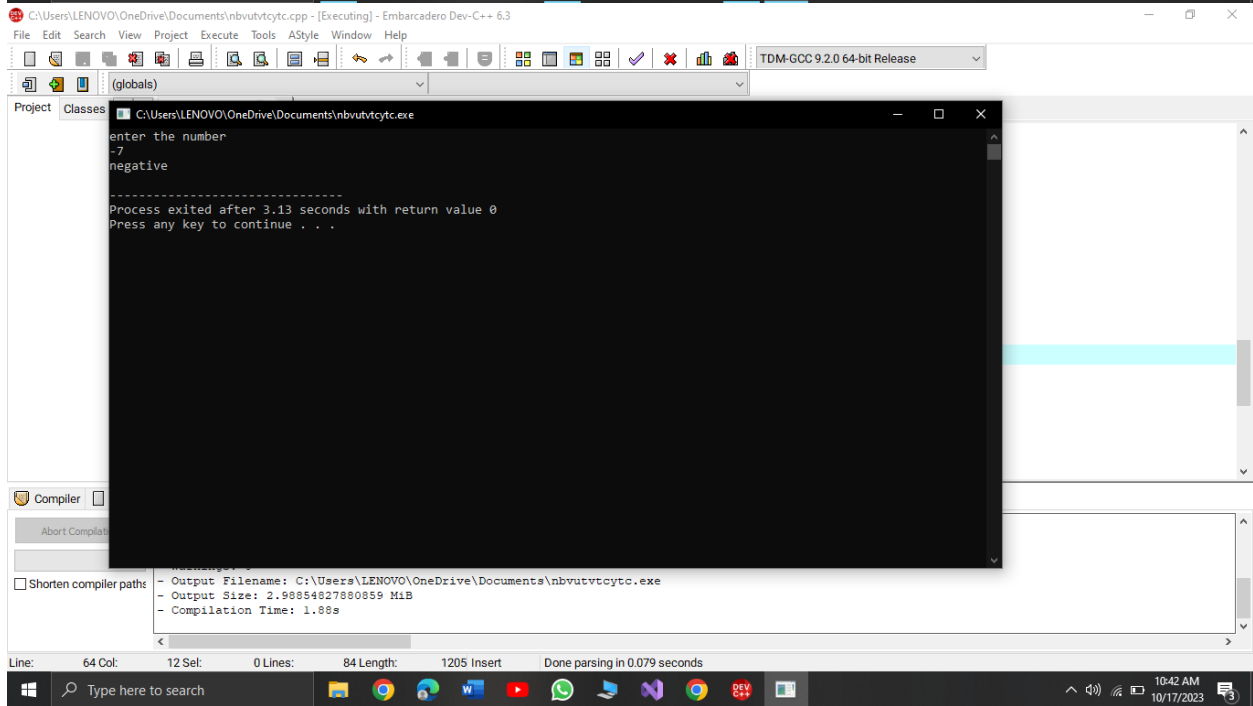
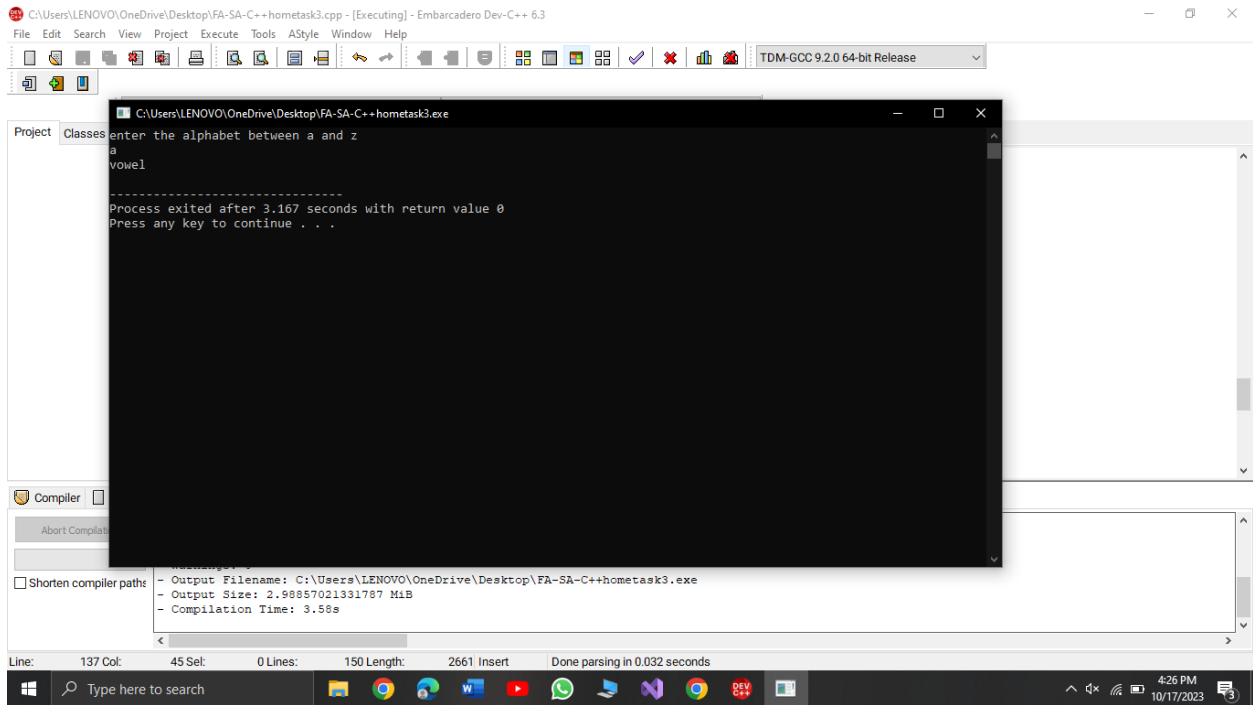
else{
    if(var=='e')
    cout<<"vowel\n";
}

```

```
else{
    if(var=='i')
        cout<<"vowel\n";
    else{
        if(var=='o')
            cout<<"vowel\n";
        else{
            if(var=='u')
                cout<<"vowel\n";
            else{
                cout<<"Consonant\n";
            }
        }
    }
}
}
```







C:\Users\LENOVO\OneDrive\Desktop\FA-SA-C++homework3.cpp - [Executing] - Embarcadero Dev-C++ 6.3

File Edit Search View Project Execute Tools AStyle Window Help

TDM-GCC 9.2.0 64-bit Release

(globals)

Project Classes FA-SA-C++homework3.cpp

C:\Users\LENOVO\OneDrive\Desktop\FA-SA-C++homework3.exe

```
enter the first letter of a province eg.  
p  
p  
k  
s  
k  
population of kpk is 40.85 million  
-----  
Process exited after 2.335 seconds with return value 0  
Press any key to continue . . .
```

Compiler Resource

Abort Compilation

Shorten compiler paths

Line: 24 Col: 1 Sel: 0 Lines: 150 Length: 2682 Insert Done parsing in 0.125 seconds

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TDM-GCC 9.2.0 64-bit Release

(globals)

Project Classes C:\Users\LENOVO\OneDrive\Desktop\FA-SA-C++homework3.exe

```
enter integer 1  
6  
enter integer 2  
77  
enter integer 3  
88  
88 is greatest  
-----  
Process exited after 4.901 seconds with return value 0  
Press any key to continue . . .
```

Compiler (1) Resource

Abort Compilation

Shorten compiler paths

- Output Size: 2.98924446105957 MB  
- Compilation Time: 2.20s

Line: 117 Col: 6 Sel: 0 Lines: 146 Length: 2691 Insert Done parsing in 0.031 seconds

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