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SEC A

ME 15

CS 114

TASK1

```cpp
#include<iostream>
using namespace std;
int main()
{
        char var1;
        cout<<"POPULATION OF DIFFRENT PROVINCES"<<endl;
        cout<<"type p for Punjab,enter s for Sindh,enter k for KPK,enter b for Balochistan"<<endl;
        cin>>var1;
        switch(var1){
                case'p':
                        cout<<"population of punjab is 127,474,000"<<endl;
                        break;
                        case's':
                                cout<<"population of sindh is 47,886,051"<<endl;
                                break;
                                case'k':
                                        cout<<"population of KPK is 40,856,097"<<endl;
                                        break;
                                        case'b':
                                                cout<<"population of balochistan is 12,344,408"<<endl;
                                                break;
                                                default:cout<<"invalid input"<<endl;
        }
        return 0;}
```
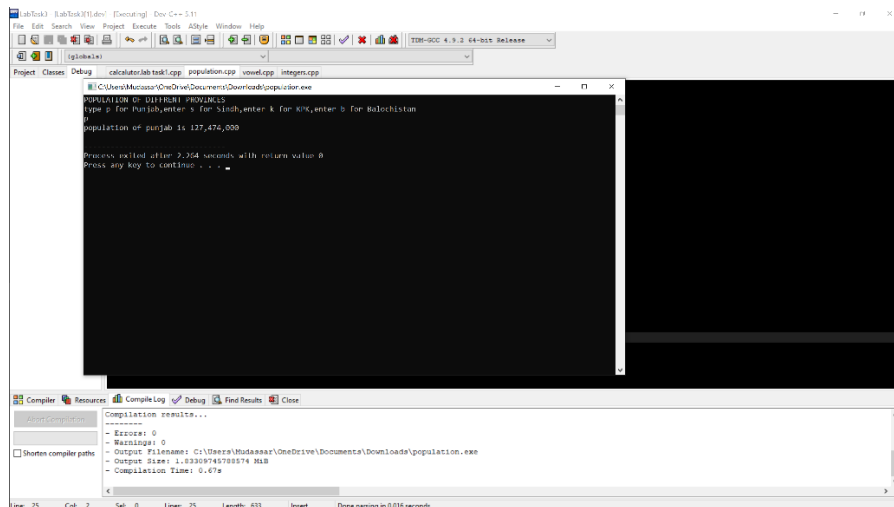
Task2

```
#include<iostream>

using namespace std;

int main()

{char alphabet;

cout<<"enter alphabet"<<endl;

cin>>alphabet;

switch(alphabet){

        case'a':

                cout<<"this is vowel"<<endl;

                break;

                case'e':

                        cout<<"this is vowewl"<<endl;

                        break;

                        case'o':

                                cout<<"this is vowel"<<endl;

                                break;

                        case'i':

                                cout<<"this is vowel"<<endl;

                                break;
```

case'u':

    cout<<"this is vowel"<<endl;

    break;

default:

        cout<<"alphabet is cocsonent"<<endl;
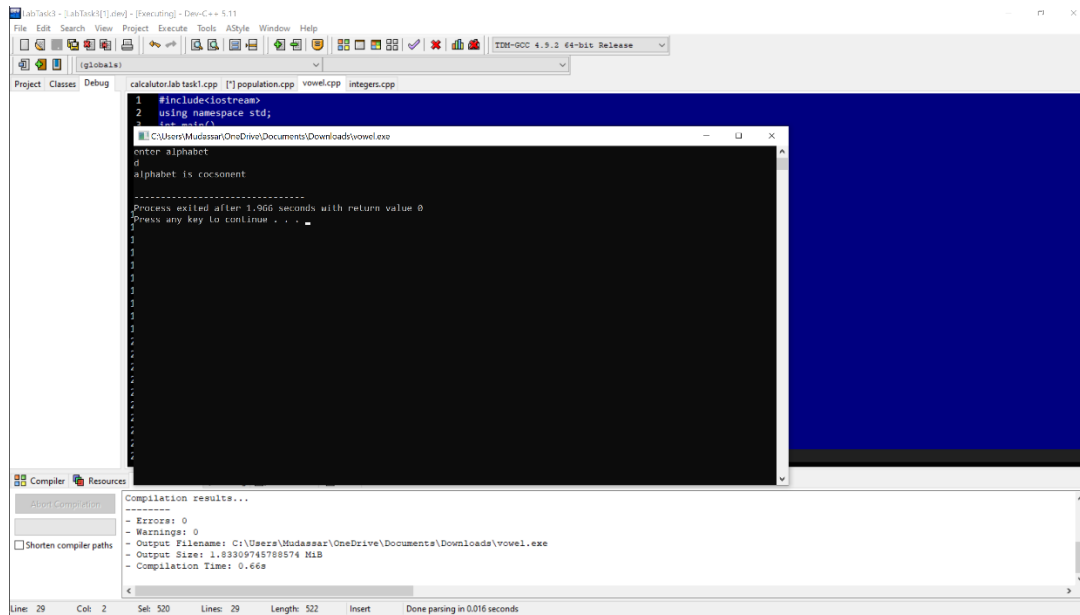
        break;
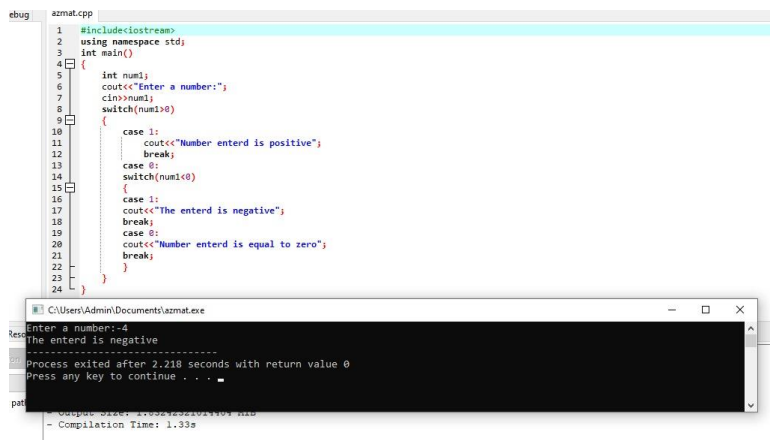

}

return 0;}

Task3

Task4

```cpp
#include<iostream>
using namespace std;
int main()
{
    int age;
    cout<<"Enter your age:-"<<endl;
    cin>>age;

    if(age>=1 && age<=12)
    {
        cout<<"You are a child"<<endl;

    }
    else if(age>=13 && age<=17)
    {
        cout<<"You are a teenager"<<endl;

    }
    else
    {
        cout<<"You are a adult"<<endl;

    }
    return 0;
}
```

C:\Users\Noman Traders\Desktop\adult teen child.exe

```
Enter your age:-
19
You are a adult

------------------------------
Process exited after 2.68 seconds with return value 0
Press any key to continue . . .
```

Task5

```cpp
#include<iostream>
using namespace std;
int main()
{
    int x,y,z;
    cout<<"Enter the three numbers"<<endl;
    cin>>x>>y>>z;

    if(x>y && x>z)
    {
        cout<<"x is the greatest number"<<endl;
    }
    else    if(y>z && y>x)
    {
        cout<<"y is the greatest number"<<endl;
    }
    else    if(z>x && z>y)
    {
        cout<<"z is the greatest number"<<endl;
    }
    else{
        cout<<"Numbers are equal"<<endl;

    }
    return 0;
}
```

C:\Users\Noman Traders\Desktop\three numbers.exe

```
Enter the three numbers
2 3 4
z is the greatest number

------------------------------
Process exited after 2.51 seconds with return value 0
Press any key to continue . . .
```

Task6

```cpp
#include<iostream>
using namespace std;
int main()
{
    char a;
    cout<<"Enter a Alphabet: ";
    cin>>a;

    if(a=='a' || a=='e' || a=='i' || a=='o' || a=='u')
    {
        cout<<"A vowel"<<endl;
    }
    else if(a=='A'|| a=='E' || a=='I' || a=='O' || a=='U')
    {
        cout<<"A vowel"<<endl;
    }
    else
    {
        cout<<"Consonant"<<endl;
    }

    return 0;
}
```

C:\Users\Noman Traders\Desktop\vowel.exe

```
Enter a Alphabet: A
A vowel
--------------------------------
Process exited after 2.117 seconds with return value 0
Press any key to continue . . .
```