# COMPUTER SYSTEMS AND PROGRAMMING

# Assignment # 2



# **SUBMITTED BY:**

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### **TASK 1:**

Write a C++ program to print the total number of populations in Punjab, Sindh, KPK, and

Balochistan using a switch case.

#### **CODE:**

```
3 #include<iostream>
     using namespace std;
5
6
      //HOMETASK:1:Print total number of population in PAKISTAN
7 ☐ int main(){
8
9
     cout<<"Province:\n Punjab=1\n Sindh=2\n Balochistan=3\n KPK=4\n";</pre>
10
11  switch(x){
12
         case 1:
             cout<<"110 million";
13
14
             break;
15
              case 2:
                  cout<<"47.8 million";
16
17
                  break;
18
                  case 3:
19
                      cout<<"12.34 million";
20
                      break;
                      case 4:
21
22
                          cout<<"35.53 million";
23
                         break;
24
                          default:
25
                             cout<<"Not Found";
26
                              break;
27
28
29
30
     return 0;
```

```
FYC++ LAB\Project\Lab 3\LAB3Hometask.exe — X

Province:
Punjab=1
Sindh=2
Balochistan=3
KPK-4
3
12.34 million

Process exited after 7.07 seconds with return value 0
Press any key to continue . . .
```

Write a C++ program to check whether an alphabet is a vowel or consonant using a switch case.

### **CODE:**

```
#include<iostream>
4 using namespace std;
35 = int main(){
          int C;
cout<<"ALPHABET:\n For a, e, i, o, u:Press 1\n For other than above mentioned:Press 2\n";
37
38
39 <del>-</del>
          cin>>C;
switch(C){
40
               case 1:
41
                   cout<<"Vowel";
42
43
44
45
                   break;
                   case 2:
                     cout<<"consonant";
                       break;
47 48 }
```

Write a C++ program to check whether a number is positive, negative, or zero using a switch case.

### **CODE:**

```
#include<iostream>
using namespace std;

int main ()
{
    int a,b,c;
    cout<<"Number:";
    cin>a;
    if (a<0)
    f)
    f)
    f)
    else if (a>0)
    else if (a>0)
    else if (a=0)
    f)
    else if (a=0)
    f)
    else if (a=0)
    f)
    f)
    fo)
    fo)
```

Write a C++ to find out whether a person is an adult, teenager, or child using nested if-else.

### **CODE:**

```
#include<iostream>
using namespace std;

#int main ()

{

#int a;

#int ain ()

#int a;

#int ain ()

#int a;

#int ain ()

#int a
```

Write a C++ program that takes three number from the user and find the greatest number out of the three numbers using nested if-else statements.

### **CODE:**

```
3 #include<iostream>
4 using namespace std;
112 int main ()
113 🗖 {
        int l,m,n,o;
cout<<"Three Integers \n";</pre>
114
115
116
         cin>>o;
117
         cin>>m;
118
         cin>>n;
119
         1=0:
120 |
121 |=
122 |
123 |=
         <u>i</u>f(1==0)
         if(o>m && o>n)
         cout<<"The largest integer is "<<o<<endl;</pre>
124
125
126
127 🚍
         else if(m>l && m>n)
         cout<<"The largest integer is "<<m<<endl;</pre>
128
129
130
131
         else if(n>m &&n>l)
132
         cout<<"The largest integer is "<<n<<endl;</pre>
133
134
else
        cout<<"Try Again.";
140
```

```
Three Integers

5

43

67

The largest integer is 67

Process exited after 6.251 seconds with return value 0

Press any key to continue . . .
```

Write a C++ program to check whether the alphabet entered by the user is Vowel or Consonant using nested if-else.

### **CODE:**

```
3 #include<iostream>
4 using namespace std;
 142 int main()
143 🖵 {
  144
           char C;
  145
           int m;
           cout <<"Alphabet.";</pre>
  146
           cin>>C;
  147
  148
           m=0:
 149
150 🖵
          if(m==0)
  151
           if (C=='a'|| C=='e' || C=='i'|| C=='o'||C=='u'||C=='A'||C=='E'||C=='I'||C=='O'||C=='U')
  152
  153 🖨
 154 cout <<
155 }
156 = else{
           cout<<"Vowel.";
  157
           cout<<"Consonant.";
158 | }

159 | }

160 | else

161 | {

162 | cout<<"Try Again";

163 | }
```

```
FYC++ LAB\Project\Lab 3\LAB3Hometaskexe — X
Alphabet.H
Consonant.

Process exited after 4.534 seconds with return value 0
Press any key to continue . . .
```

