CS LAB Assignment 3 Abdul Moiz, 474550, ME-15B Submission Date: 19-Oct-23

```
main.cpp
      #include <iostream>
      using namespace std;
   3 → int main(){
           char province;
           cout << "Enter the first letter of the province: ";</pre>
           cin >> province;
           switch (province) / *take first letter of province as input and use switch case
                  cout << "Population: 12,335,129";</pre>
                   cout << "Population: 109,989,655";</pre>
                   cout << "Population: 47,854,510";</pre>
                  cout << "Population: 30,508,920";</pre>
                   cout << "Not a province.";</pre>
                                                                   input
Enter the first letter of the province: p
Population: 109,989,655
... Program finished with exit code 0
Press ENTER to exit console.
```

```
input

Enter letter: i

It's a vowel.

...Program finished with exit code 0

Press ENTER to exit console.
```

```
main.cpp
   1 #include <iostream>
  2 using namespace std;
  3 int main()
  4 - {
          int number;
          cout << "Enter number: ";</pre>
          cin >> number;
          switch (number > 0){ /* Using nested switch case to check if
 11
                   cout << "Positive";</pre>
              switch (number < 0)</pre>
                       cout << "Negative";</pre>
                   cout << "Equal to zero";</pre>
 25 }
                                                                 input
```

```
input

Enter number: 8

Positive

...Program finished with exit code 0

Press ENTER to exit console.
```

```
main.cpp
   2 using namespace std;
   4 int main()
   5 - {
           int age;
          cout << "Enter your age: ";</pre>
          cin >> age;
          if (age < 18){
               if (age <= 12){
                   cout << "You're a child.";</pre>
                   cout << "You're a teenager.";</pre>
               }
          else {
               cout << "You are an adult.";</pre>
                                                                      input
Enter your age: 18
You are an adult.
```

```
...Program finished with exit code 0
Press ENTER to exit console.
```

```
main.cpp
   2 using namespace std;
   3 int main()
   4 - {
          int a, b , c;
          cout << "Enter 3 numbers: ";</pre>
          cin >> a >> b >> c;
          if (a > b){
              if (a > c){
             cout << a << " is largest";
}</pre>
  11
             else{
             cout << c << " is largest";</pre>
             if (b > c){
                 cout << b << " is largest";</pre>
  21 -
             else {
                 cout << c << " is largest";</pre>
  26 }
                                                                   input
 Y 2 3
Enter 3 numbers: 78
45
69
78 is largest
...Program finished with exit code 0
```

```
main.cpp
   2 using namespace std;
   4 int main()
   5 - [
          char letter;
          cout << "Enter a letter: ";</pre>
          cin >> letter;
         if (letter == 'a' || 'e' || 'i' || 'o' || 'u'){
              if (letter == 'A' || 'E' || 'I' || '0' || 'U'){
  11 -
                  cout << "It's a Vowel";</pre>
              }
             cout << "It's a consonent.";</pre>
                                                               inp

    \( \sigma^2 \)

Enter a letter: i
It's a Vowel
...Program finished with exit code 0
Press ENTER to exit console.
```