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ME-15-C

PROGRAMMING LAB ASSIGNMENT 3

HOME TASK 3

Q 1

```
#include <iostream>

using namespace std;

int main() {

    int choice;

    cout << "Enter the number of province you desire as an output: ";

    //1 for Punjab, 2 for Sindh, 3 for KPK, 4 for Balochistan

    cin >> choice;

    switch (choice) {

        case 1:

            cout << "Punjab's population is 12876596";

            break;

        case 2:

            cout << "Sindh's population is 55687647";

            break;

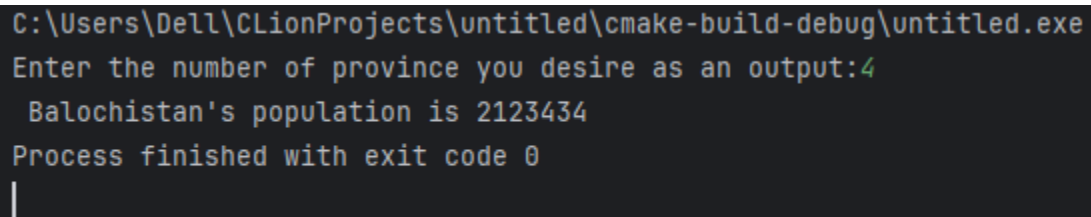
        case 3:

            cout << "KPK's population is 3894567";

            break;

        case 4:
```

```
cout << "Balochistan's population is 2123434";  
  
break;  
  
default:  
  
cout << "Wrong key pressed";  
  
break;  
  
}  
  
return 0;  
  
}
```



```
C:\Users\Dell\CLionProjects\untitled\cmake-build-debug\untitled.exe  
Enter the number of province you desire as an output:4  
Balochistan's population is 2123434  
Process finished with exit code 0  
|
```

Q 2

```
#include <iostream>  
  
using namespace std;  
  
int main() {  
  
    char letter;  
  
    cout<<"Enter the desired letter: ";  
  
    cin>>letter;  
  
    switch (letter) {
```

```
case 'a':  
    cout <<"vowel!";  
    break;  
case 'e':  
    cout <<"vowel!";  
    break;  
case 'i':  
    cout <<"vowel!";  
    break;  
case 'o':  
    cout <<"vowel!";  
    break;  
case 'u':  
    cout <<"vowel!";  
    break;  
default:  
    cout <<"consonant!";  
    break;  
}  
return 0;  
}
```

```
C:\Users\Dell\CLionProjects\untitled\cmake-build-debug\untitled.exe  
Enter the desired letter:H  
    consonant!  
Process finished with exit code 0  
|
```

Q 3

```
#include <iostream>

using namespace std;

int main() {

    int number, sign;

    cout<<"Enter the number: ";

    cin>>number;

    if (number > 0) {

        sign=1;

    } else if (number < 0) {

        sign=2;

    } else {

        sign=3;

    }

    switch (sign) {

        case 1:

            cout << "The number = +ve";

            break;

        case 2:

            cout << "The number = -ve";

            break;

        case 3:

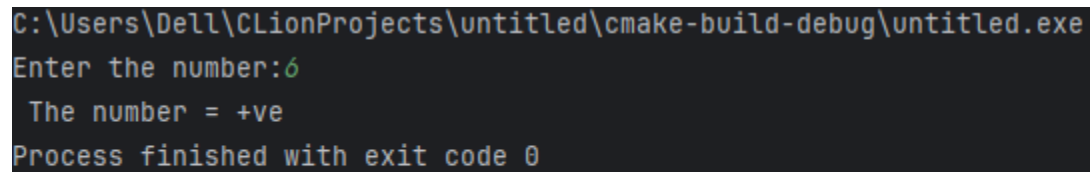
            cout << "The number = 0";

            break;

    }
```

```
return 0;
```

```
}
```

A screenshot of a terminal window with a dark background. The text displayed is: C:\Users\Dell\CLionProjects\untitled\cmake-build-debug\untitled.exe, Enter the number:6, The number = +ve, and Process finished with exit code 0.

```
C:\Users\Dell\CLionProjects\untitled\cmake-build-debug\untitled.exe
Enter the number:6
The number = +ve
Process finished with exit code 0
```

Q 4

```
#include <iostream>
```

```
using namespace std;
```

```
int main() {
```

```
    int age;
```

```
    cout <<"Enter the age:";
```

```
    cin>>age;
```

```
    if (age>0){
```

```
        if (age>12){
```

```
            cout <<"You are a teenager!";
```

```
        } else if (age>19){
```

```
            cout <<"You are a grown up adult!";
```

```
        } else{
```

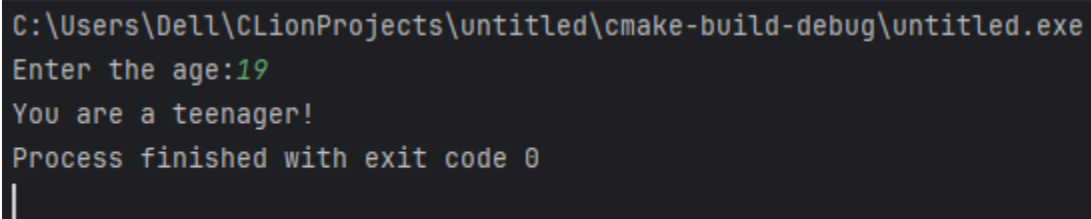
```
            cout <<"You are too young!";
```

```
        }
```

```
    } else{
```

```
        cout <<"Inappropriate age entered!";
```

```
}  
  
return 0;  
  
}
```



```
C:\Users\De11\CLionProjects\untitled\cmake-build-debug\untitled.exe  
Enter the age:19  
You are a teenager!  
Process finished with exit code 0  
|
```

```
Q 5#include <iostream>  
  
using namespace std;  
  
int main() {  
  
    int a, b, c;  
  
    cout<<"Enter 3 numbers:";  
  
    cin>>a;  
  
    cin>>b;  
  
    cin>>c;  
  
    if (a>b){  
  
        if (b>c){  
  
            cout<<"The GREATEST number is:"<<a;  
  
        } else {  
  
            cout<<"The GREATEST number is:"<<c;  
  
        }  
  
    }else {  
  
        if (b>c) {
```

```
cout << "The GREATEST number is:"<<b;

} else {

cout<<"The GREATEST number is:"<<c;

}

}

return 0;

}
```

```
C:\Users\Dell\CLionProjects\untitled\cmake-build-debug\untitled.exe
Enter 3 numbers:69
87
34
The GREATEST number is:87
Process finished with exit code 0
|
```