Lab Manual 6(Lab Task):

Question 1:

```cpp
1.  #include <iostream>
2.  using namespace std;
3.  int main(){
4.          int a=0,b=1,c,n;
5.          cout<<"Enter the number of terms that you want in the sequence";
6.          cin>>n;
7.          for(int i=0; i<=n; i++){
8.                  if(i<=1){
9.                          c=i;
10.                 }
11.             else{
12.                     c=a+b;
13.                     a=b;
14.                     b=c;
15.
16.             }
17.             cout<<c<<" ";
18.         }
19. return 0;
20. }
```
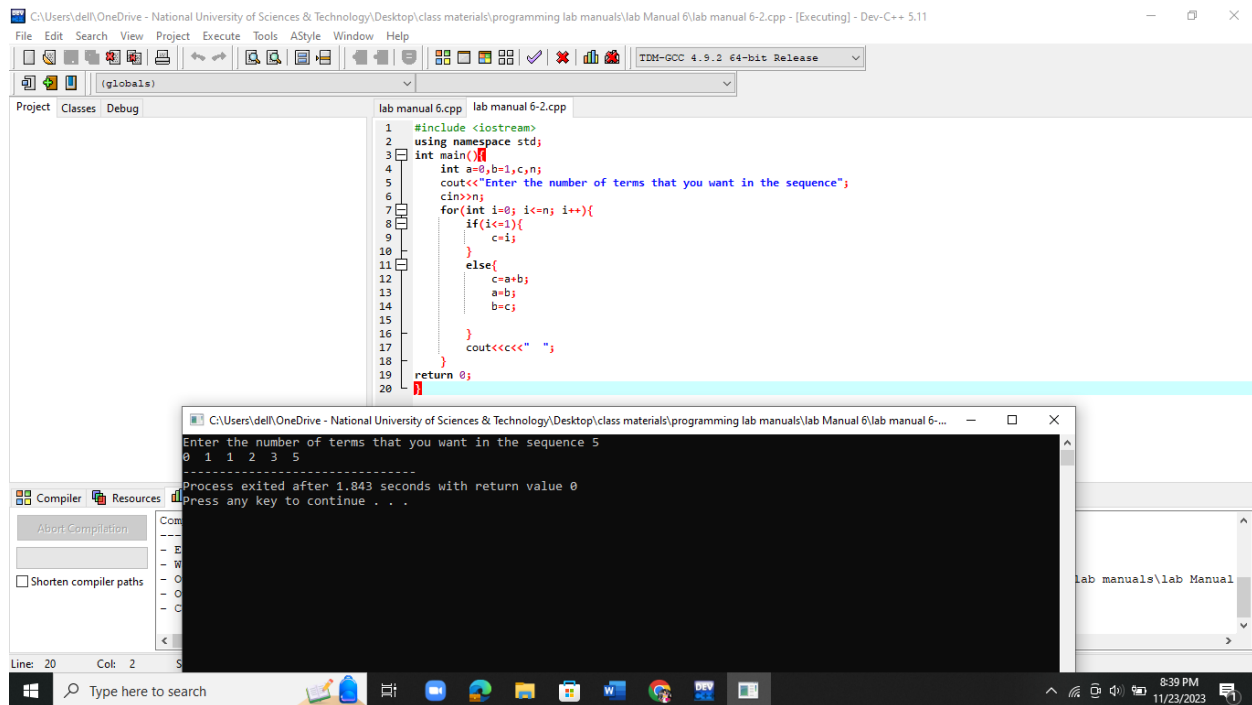
Question 2:

```cpp
1.  #include <iostream>
2.  using namespace std;
3.  int main(){
4.          int r,c,n, x=1;
5.          cout<<"enter the number of rows for the triangle";
6.          cin>>n;
7.          for(r=1; r<=n; r++){
8.                  for(c=1; c<=r; c++){
9.                          if(c<=r){
10.                                 cout<<x<<" ";
11.                                 x++;
12.                         }
13.                 }
14.                 cout<<endl;
15.         }
16.         return 0;
17. }
```

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lab manual 6.cpp   lab manual 6-2.cpp

```cpp
1    #include <iostream>
2    using namespace std;
3    int main(){
4        int r,c,n, x=1;
5        cout<<"enter the number of rows for the triangle";
6        cin>>n;
7        for(r=1; r<=n; r++){
8            for(c=1; c<=r; c++){
9                if(c<=r){
10                   cout<<x<<" ";
11                   x++;
```

```
enter the number of rows for the triangle 5
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15

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