

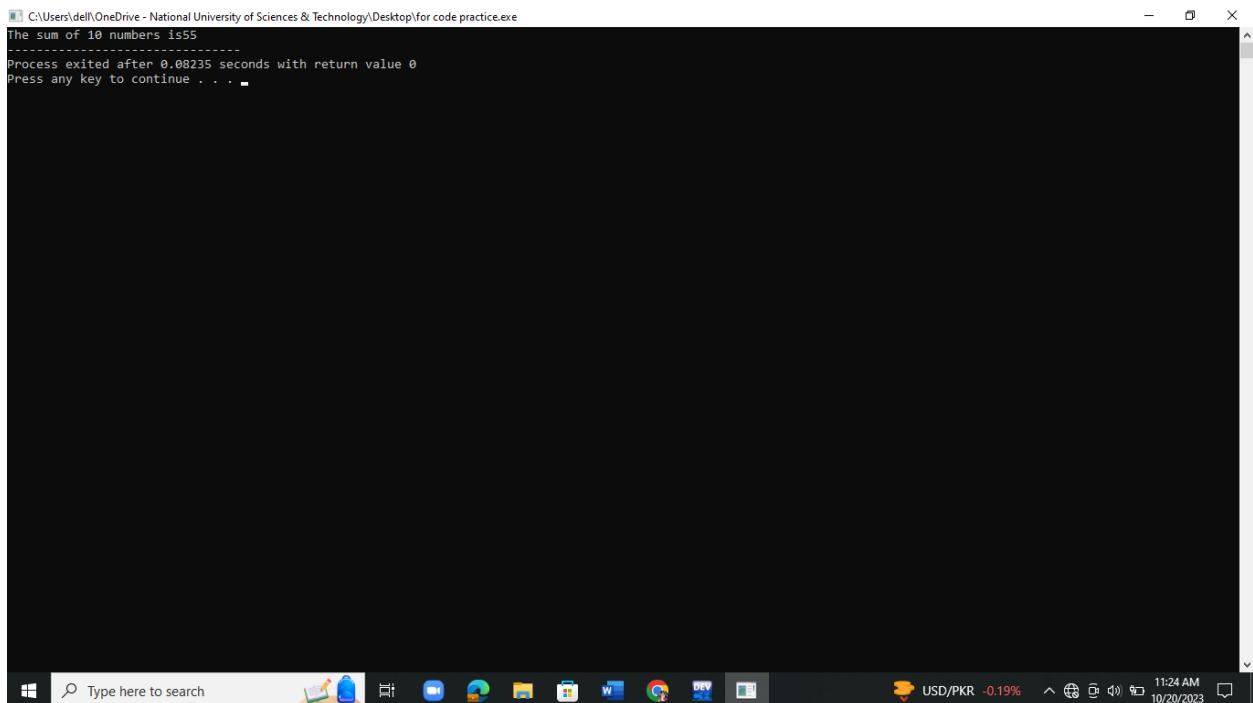
Lab Task 4:

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Question 1:

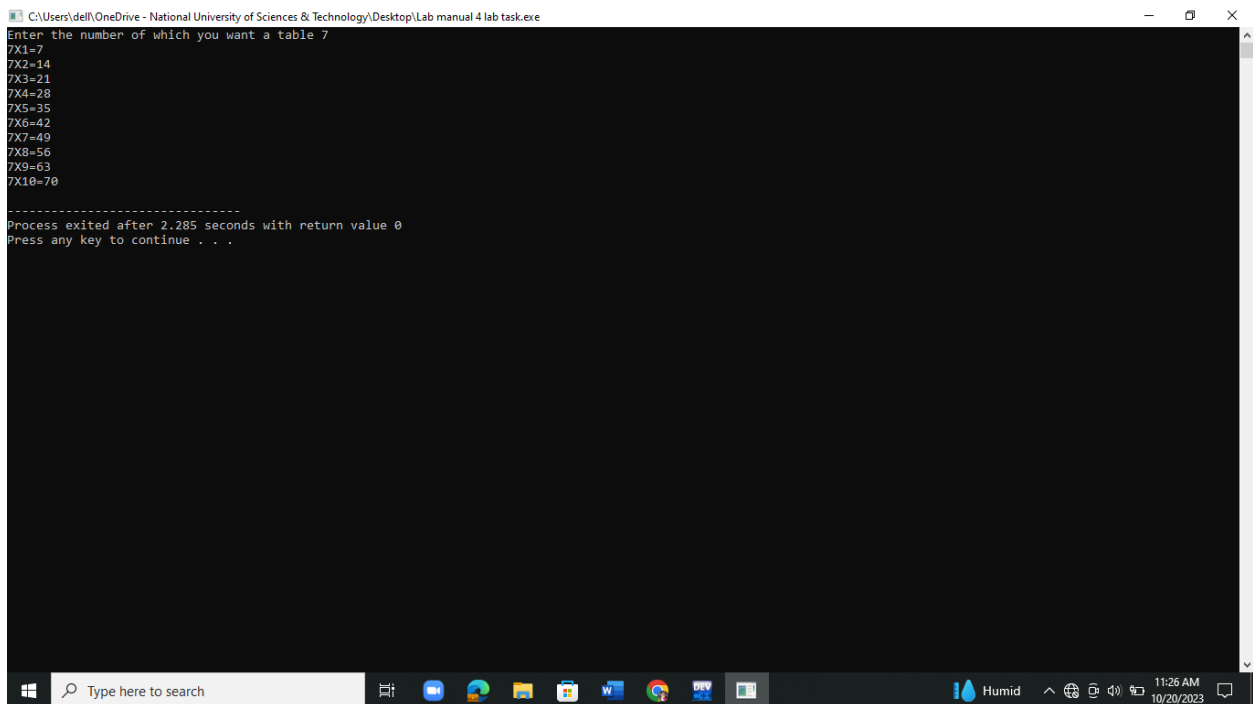
```
1. #include <iostream>
2. using namespace std;
3. int main(){
4.     int a,b=0;
5.     for (a=1; a<11; a++){
6.         b=a+b;
7.     }
8.     cout<<"The sum of 10 numbers is"<<b;
9.
10.
11. }
```



```
C:\Users\dell\OneDrive - National University of Sciences & Technology\Desktop\for code practice.exe
The sum of 10 numbers is55
-----
Process exited after 0.08235 seconds with return value 0
Press any key to continue . . .
```

Question 2:

1. `#include <iostream>`
2. `using namespace std;`
3. `int main(){`
4. `int x,y,z;`
5. `cout<<"Enter the number of which you want a table";`
6. `cin>>x;`
7. `for(y=1; y<=10; y++){`
8. `z=x*y;`
9. `cout<<x<<'X'<<y<<'='<<z<<endl;`
10. `}`
- 11.
- 12.
13. `}`



```
C:\Users\dell\OneDrive - National University of Sciences & Technology\Desktop\Lab manual 4 lab task.exe
Enter the number of which you want a table 7
7X1=7
7X2=14
7X3=21
7X4=28
7X5=35
7X6=42
7X7=49
7X8=56
7X9=63
7X10=70

-----
Process exited after 2.285 seconds with return value 0
Press any key to continue . . .
```

Question 3:

1. `#include <iostream>`
2. `using namespace std;`
3. `int main(){`
4. `int x,y,z,result;`
5. `cout<<"Enter the number that you want a factorial of";`

```

6.      cin>>x;
7.      for (y=x-1; y>0 ; y--){
8.          z=x*y;
9.          x=z;
10.     }
11.     cout<<"your numbers"<<'!'<<'='<<x;
12.     if (x==0){
13.         cout<<"1";
14.     }
15.}

```

```

C:\Users\dell\OneDrive - National University of Sciences & Technology\Desktop\Untitled5.exe
Enter the number that you want a factorial of 8
your numbers!=40320
-----
Process exited after 4.067 seconds with return value 0
Press any key to continue . . .

```

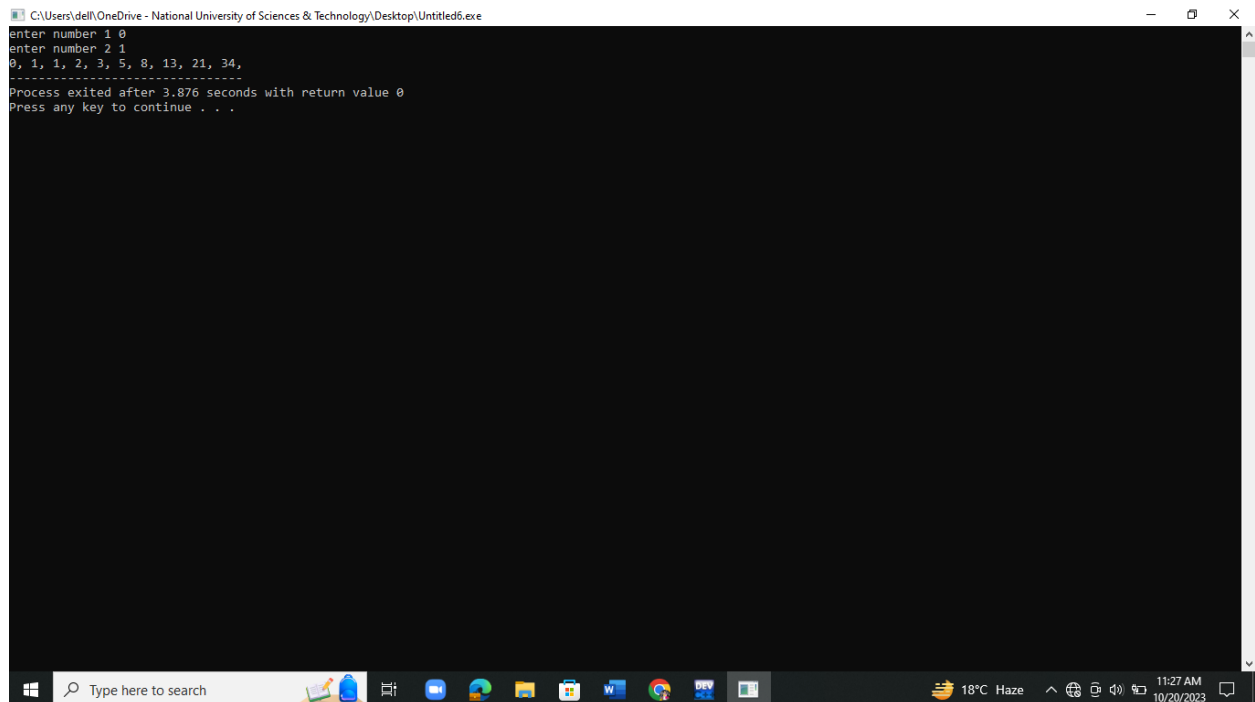
Question 4:

```

1. #include <iostream>
2. using namespace std;
3. int main(){
4.     int x, sum, y, numbers;
5.     cout<<"enter number 1";
6.     cin>>x;
7.     cout<<"enter number 2";
8.     cin>>y;

```

```
9.      cout<<x<<" , "<<y<<" , ";
10.     for(numbers=0; numbers<8; numbers++){
11.         sum=x+y;
12.         x=y;
13.         y=sum;
14.         cout<<sum<<" , ";
15.     }
16. }
```



```
C:\Users\dell\OneDrive - National University of Sciences & Technology\Desktop\Untitled6.exe
enter number 1 0
enter number 2 1
0, 1, 1, 2, 3, 5, 8, 13, 21, 34,
-----
Process exited after 3.876 seconds with return value 0
Press any key to continue . . .
```