

Department of Mechanical Engineering

Fundamentals of Programing

Lab Manual #6

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DATE: 22/11/2023

MUHAMMAD ABDULLAH QURESHI – 456523 ME-15 SECTION A

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TASK 1:

```
#include <iostream>
using namespace std;
int main(){
int numr, count, num1, num2, sum, count2;
num1=0;
num2=1;
cout<<"Enter Number of Rows: ";</pre>
cin>>numr;
cout << num1 << end1;
cout<<num1<<" "<<num2<<end1;
cout<<num1<<" "<<num2<<" "<<num1+num2<<endl;
for(count=3; count<numr; count++){</pre>
       num1=0;
       num2=1;
       cout<<num1<<" "<<num2<<" ";
       for(count2=2; count2<=count; count2++){</pre>
              sum=num1+num2;
              num1=num2;
              num2=sum;
              cout<<sum<<" ";
       cout<<endl;
```

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```
Enter Number of Rows: 25
0 1
0 1 1
0 1 1 2
0 1 1 2 3
 1 1 2 3 5
 1 1 2 3 5 8
0 1 1 2 3 5 8 13
0 1 1 2 3 5 8 13 21
0 1 1 2 3 5 8 13 21 34
 1 1 2 3 5 8 13 21 34 55
 1 1 2 3 5 8 13 21 34 55 89
 1 1 2 3 5 8 13 21 34 55 89 144
0 1 1 2 3 5 8 13 21 34 55 89 144 233
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610
 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987
 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765
 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946
 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711 28657
0 1 1 2 3 5 8 13 21 34 55 89 144 233 377 610 987 1597 2584 4181 6765 10946 17711 28657 46368
Process exited after 1.045 seconds with return value \theta
Press any key to continue
```

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TASK 2: