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**Section C**

**Lab manual 6(Lab Tasks)**

**Q#1**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter the maximum number"<<endl;

cin>>n;

int a =0,b=1,c=1;

cout<<a<<","<<b<<",";

while(a<=n)

{

while(c<=n)

{

cout<<c<<",";

a=b;

b=c;

c=a+b;

}

break;

}

return 0;

} **Q#2**

#include<iostream>

using namespace std;

int main()

{

int n;

cout<<"Enter the number of rows"<<endl;

cin>>n;

for(int i=0;i<n;i++)

{

int num=1;

for(int j=0;j<n-i-1;j++)

{

cout<<" ";

}

for(int k=0;k<=i;k++)

{

cout<<num<<" ";

num=num\*(i-k)/(k+1);

}

cout<<endl;

}

return 0;

}

**Lab manual 6(Home Tasks)**

**Q#1**

#include<iostream>

using namespace std;

int main()

{

int sum = 0;

for(int num = 2; num <= 50; num++)

{

int i;

for(i = 2; i < num; i++)

{

if(num % i == 0)

{

break;

}

}

if(i==num)

{

sum =sum + num;

}

}

cout << "The sum of prime numbers from 1 to 50 is: " << sum << endl;

return 0;

}

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**Q#2**

#include <iostream>

using namespace std;

int main()

{

int n=5;

for (int i = 1; i <= n; i++)

{

for (int j = 1; j <= i; j++)

{

cout << j << " ";

}

cout<<endl;

}

return 0;

}

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**Q#3**

#include <iostream>

using namespace std;

int main()

{

cout <<"1 "<<endl;;

int n=3;

for (int i = 1; i <= n; i++) {

for (int j = 1; j <= i\*2; j++) {

cout << i\*2 << " ";

}

cout <<endl;

}

return 0;

}

The End

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