Coding C++

Auto saved at 18:28:47

RUN MENU

```cpp
// LAB MANUAL : 06
// Q.no 1 ( Lab Task )
// Fibonacci Sequence

#include<iostream>
#include<iomanip>
using namespace std;

int main()
{
      int num,first=0,second=1,next;
      cout << " Enter the final term of the sequence :" << endl;
      cin >> num;

      cout << " The Fibonacci Sequence is :" << endl;

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

       cout<< setw(3) <<first<<endl; // 0,1,1,2,3,5,8,
       next = first+second; // 1,2,3,5,8,13,21
       first= second; // 1,1,2,3,5,8,13
       second=next; // 1,2,3,5,8,13,21
       }


    return 0;
}
```

Compile Result

```
 Enter the final term of the sequence :
8
 The Fibonacci Sequence is :
  0
  1
  1
  2
  3
  5
  8

[Process completed - press Enter]
```

Coding C++

Auto saved at 08:06:57

RUN MENU

```cpp
// Lab manual: 06
// Q no: 02
// Floyd's Triangle
#include<iostream>
#include<cmath>
using namespace std;



int main() {

    int totalrows, rows, col, num = 1;

    cout << " Enter no of rows: " ;
    cin>> totalrows;

    for( rows=1 ; rows<=totalrows ; rows++){
    for( col=1 ; col<=rows ; col++){
    cout<<num<<" ";
    ++num;
    }
    cout<<endl;
    }

  return 0;
  }
```

Compile Result

```
 Enter no of rows: 6
1
2 3
4 5 6
7 8 9 10
11 12 13 14 15
16 17 18 19 20 21

[Process completed - press Enter]
```

Coding C++

Auto saved at 18:21:52

RUN MENU

```cpp
#include<iostream>
#include<cmath>
using namespace std;

int main(){

      int num,j;
      int sum=0;

      for( num=2; num<=50; ++num){
      bool isPrime = true ;

      for( j=2 ; j<= num/2 ; ++j){

       if(num%j==0){

       isPrime = false ;
       break; }
       }

       if(isPrime){
       sum+=num; }

       }
       cout<<sum<<" is the sum of prime numbers b/w 1 & 50."<<endl;


  return 0;
  }
```

Compile Result

```
328 is the sum of prime numbrs b/w 1 & 50
.

[Process completed - press Enter]
```

Coding C++

Auto saved at 12:13:30

RUN MENU

```cpp
#include<iostream>
#include<cmath>
using namespace std;

int main(){

      int num;
      int a,b;
      cout << " Enter final number: " ;
      cin >> num;

      for(a=1;a<=num;a++){
      for(b=1;b<=a;b++){

      cout<<" "<<b;

      }
      cout<<endl;
      }

  return 0;
  }
```

Compile Result

```
Enter final number: 5
1
1 2
1 2 3
1 2 3 4
1 2 3 4 5

[Process completed - press Enter]
```

Coding C++

Auto saved at 14:30:08

RUN MENU

```cpp
/* Lab Manual: 06
Q no: 05
Printing No */
#include <iostream>
using namespace std;

int main()
{
 cout<<"1"<<endl;
 for (int i=1; i<=3; i++)
 {
  for (int j=1; j<=i*2; j++)
  {
  cout<<i*2<<" ";
  }
  cout<<endl;
  }

  return 0;
  }


```

Compile Result

```
1
2 2
4 4 4 4
6 6 6 6 6 6

[Process completed - press Enter]
```