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Created: February 9, 2019  
Purpose: Project 2

System Libraries:  
iostream, iomanip,  
cstdlib, ctime, cmath  
using namespace  
std;

User Libraries:  
None

Global Constants:  
None

Function Prototypes:  
void print(int n),  
string cardSut(int i),  
char cardFac(int i),  
char cardVal(int i),  
void bubSort(int a[],  
int size),  
void swap(int &x, int  
&y)

Set the random number  
seed:  
srand(static\_cast<unsigned  
int>(time(0)));

Declaring Variables:  
int  
num1,num2,num3  
char letter;  
int NCARDS =14;  
int number  
const int SIZE = 14;  
int val[SIZE] = { 2,  
14, 10, 6, 4, 7, 1, 5,  
3, 8, 9, 12, 13, 11};

Input Prompt:  
cout << "Welcome to the BlackJack  
Table " << endl; cout << "Get 21 to  
win!" << endl; cout << endl; cout  
<< "Your Hand: ";  
  
cout << "You will be drawing from  
these randomized cards : " << endl;

Initialize for loop:

auto element : val

cout << element << " ";

## Project 2: Flowchart

























