#include <iostream>

using namespace std;

void get\_num(int &num, int total);

void cpu\_num(int &num2, int num, int &total);

int main()

{

char ans;

int total = 21;

int num;

int num2;

cout << "\t\tPlayer\tComputer\tPile\n";

do

{

get\_num(num, total);

cpu\_num(num2, num, total);

if (total == 0){

cout << "\n\t\tThe Computer won!\n\t\tPlay again? Y/N: ";

cin >> ans;

switch (ans)

{

case 'Y':

case 'y':

total = 21;

}

}

}while(total!=0);

return 0;

}

void get\_num(int &num, int total)

{

num = 0;

do{

cout << "How many(1-4)\t";

cin >> num;

if ((num < 1 || num > 4) || num > total)

{

cout << "\nInvalid -- Try Again\n";

}

}while((num < 1 || num > 4) || num > total);

}

void cpu\_num(int &num2, int num, int &total)

{

num2 = 5-num;

total -= (num + num2);

if (total > 0){

cout << "\t\t\t" << num2 << "\t\t" << total << endl;

}

else{

total = 0;

}

}