The step of practical 2

1. Create a human class which include the string human\_strategy and the constructor void computer(string hum1);
2. Create a computer class which include the string computer\_strategy and the constructor void human(string hum1);
3. Create the Referee class and the function which access the competition. Ask user to input their choice and Use for loop to design and compare the 2 array. Then create another array, put the result of the competition.

#include <iostream>

#include <string>

#include <stdlib.h>

using namespace std;

class Computer{

private:

string computer\_strategy;//array of computer choice

public:

void computer(string hum1){

computer\_strategy=hum1;//contractor

}

};

class Human{

private:

string human\_strategy;//array of human choice

public:

void human(string hum1){

human\_strategy=hum1;//contractor

}

};

class Referee{

public:

void referee(){

Human human1;//human object array

Computer computer1;//computer object array

string human\_size\_plus;//human array with times

cout<<"input ur choice:"<<endl;

cin>>human\_size\_plus;//input human choice

int times=human\_size\_plus[0]-48;//times

string computer\_choice;//computer array with times

computer\_choice[0]=times+48;

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

computer\_choice[i]=82;

}

cout<<"computer choice:"<<endl;

for(int i=0;i<times+1;i++){

cout<<computer\_choice[i];//computer choice always R

}

cout<<" "<<endl;

human1.human(human\_size\_plus);

computer1.computer(computer\_choice);

string human\_result[times];

cout<<"ur result:"<<endl;

for(int j=1;j<times+1;j++){//compare human and computer

if (human\_size\_plus[j]==computer\_choice[j]){//they tie

human\_result[j-1]='T';

}

if (human\_size\_plus[j]-computer\_choice[j]==-3){//human p com s

human\_result[j-1]='L';

}

if (human\_size\_plus[j]-computer\_choice[j]==-2){//human p com r

human\_result[j-1]='W';

}

if (human\_size\_plus[j]-computer\_choice[j]==3){//human s com p

human\_result[j-1]='W';

}

if (human\_size\_plus[j]-computer\_choice[j]==1){//human s com r

human\_result[j-1]='L';

}

if (human\_size\_plus[j]-computer\_choice[j]==2){//human r com p

human\_result[j-1]='L';

}

if (human\_size\_plus[j]-computer\_choice[j]==-1){//human r com s

human\_result[j-1]='W';

}

}

for(int i=0;i<times;i++){

cout<<human\_result[i];//out put the result

}

}

};

int main (){

Referee A1;

A1.referee();//access

}