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.

```cpp
#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
      }
```

```cpp
        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
}
```