#include<stdio.h>

#include<conio.h>

int main()

{

int a[50],i=0,sum,n,j=0,temp,max,t;

printf("Enter the no. of player not more than 10:");

scanf("%d",&n);

printf("Enter the temper coefficient of respective player:");

for(i=0;i<n;i++)

{

scanf("%d",&a[i]);

}

printf(" array before sorting\n");

for(i=0;i<n;i++)

{

printf("%d\n",a[i]);

}

for(i=0;i<n;i++)

{

for(j=i+1;j<n;j++)

{

if(a[i]>a[j])

{

t=a[i];

a[i]=a[j];

a[j]=t;

}

}

}

printf("\n after sorting\n");

for(i=0;i<n;i++)

{

printf("%d\n",a[i]);

}

for(i=0;i<n;i++)

{

max = a[i]+a[n-1];

for(i=0;i<n;i++)

{

sum=a[i]+a[n-(i+1)];

if(max<sum)

{

int i=0;

max=sum;

}

}

printf("The Maximum Temper Coefficient:%d ",max);

getch();

}

}