Array Sorting

Problem Submissions Leaderboard

Submissions Leaderboard

Submitted 37 minutes ago • Score: 100.00

✓ Test Case #0

✓ Test Case #1

✓ Test Case #2

✓ Test Case #3

✓ Test Case #4

✓ Test Case #5

```
P Open in editor
 Language: C
 1 #include <stdio.h>
 2 int main()
 4
           int n,i,j,temp;
       scanf("%d",&n);
       int a[n];
       for(i=0;i<n;i++)
 8
           scanf("%d",&a[i]);
 9
       for(i=0;i<n-1;i++)
10
11
           for(int j=0;j<n-1;j++)
12
13
               if(a[j]>a[j+1])
14
15
                      temp=a[j];
16
                      a[j]=a[j+1];
17
                      a[j+1]=temp;
18
19
20
       for (i = 0; i < n; i++) {
21
22
           printf("%d ", a[i]);
23
       printf("\n");
24
25
       return 0;
26 }
27
```

Linear Search



```
Language: C
                                                                                                                 & Open in editor
1 #include <stdio.h>
2 int main()
3 {
4
      int n,i,t,f=-1;
      scanf("%d",&n);
5
      int a[n];
      for (i=0;i<n;i++)
8
          scanf("%d",&a[i]);
9
      scanf("%d",&t);
10
      for (i=0; i<n; i++)
11
12
          if (a[i]==t){
13
              f=i;
14
          break;
15
16
17
      if(f>=0){
18
       printf("Element found at position %d.\n", f);
19
20
      else
21
          printf("Element not found.");
22
23
       return 0;
24 }
25
```

Insert Array Element



```
Language: C
                                                                                                                    P Open in editor
1 #include<stdio.h>
2 int main()
3 {
4
      int n,i,e,p;
      scanf("%d",&n);
      int a[n+1];
      for(i=0;i<n;i++)
9
           scanf("%d",&a[i]);
10
11
           scanf("%d %d",&e,&p);
12
      for(i = n; i > p; i--)
13
14
           a[i]=a[i-1];
15
16
      a[p]=e;
17
18
      n++;
19
      for(i=0;i<n;i++)
20
21
          printf("%d ",a[i]);
22
23
       return 0;
24 }
```

Update Array



```
Language: C
                                                                                                                  & Open in editor
1 #include<stdio.h>
2 int main()
3 {
4
      int n,x,y;
5
      scanf("%d",&n);
6
      int a[n];
7 8
      for (int i=0;i<n;i++)
          scanf("%d",&a[i]);
9
      scanf("%d %d",&x,&y);
10
      a[x]=y;
11
      for(int i=0;i<n;i++)
12
          printf("%d ",a[i]);
13
      return 0;
14 }
```

Neon Number



```
Language: C
                                                                                                                     P Open in editor
 1 #include <stdio.h>
2 int main()
3 {
       int x, sum = \theta, square;
       scanf("%d", &x);
      square = x * x;
     while (square > 0) {
           sum += square % 10;
9
           square /= 10;
10
      if (sum == x)
12
           printf("Neon Number.\n");
13
       else
14
           printf("Not Neon Number.\n");
15
16
       return 0;
17 }
18
```

Strong Numbers



```
& Open in editor
 Language: C
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
 5
6 int main()
7 {
 8
       int n, temp, d, sum=0;
 9
       scanf("%d ",&n);
10
       temp =n;
11
       while (temp>0)
12
13
           d=temp%10;
           int f=1;
14
15
           for (int i=1;i<=d;i++){
16
               f=f*i;}
17
               sum=sum+f;
18
               temp=temp/10;
                                }
19
       if(n==sum)
           printf("Strong Number.");
20
21
       else
22
           printf("Not Strong Number.");
23 }
24
```

Square Number Series



```
Language: C
                                                                                                                 P Open in editor
1 #include <stdio.h>
2 int main()
3 {
4
      long long sum_of_squares(int n)
5 {
      return (long long) n * (n + 1) * (2 * n + 1) / 6;
6
7}
8
      int n;
9
      scanf("%d", &n);
10
      printf("%lld\n", sum_of_squares(n));
11
12
      return 0;
13 }
14
```

Check HCF



```
Language: C
                                                                                                                   & Open in editor
1 #include <stdio.h>
2 #include <string.h>
 3 #include <math.h>
4 #include <stdlib.h>
6 int main()
7 {
8
      int n1,n2,temp;
9
      scanf("%d %d ",&n1 ,&n2);
10
      while(n2>0){
11
          temp = n2;
12
          n2 = n1 \% n2;
13
           n1 = temp;
14
      printf("%d",n1);
15
16 }
```

Check Divisibility



```
P Open in editor
 Language: C
 1 #include <stdio.h>
2 int main()
3 {
       int n,x,y;
       scanf("%d",&n);
        scanf("%d",&x);
        scanf("%d",&y);
 8
      if (n%x==0&&n%y==0){
9
           printf("Yes.");
10
11
      else
12
13
           printf("No.");
14
15
       return 0;
16 }
17
```

Armstrong Number



```
& Open in editor
 Language: C
1 #include <stdio.h>
2 #include <math.h>
3 int main()
4 {
5
     long int n,r,sum = 0, d=0,temp;
 6
      scanf("%ld",&n);
 7
      temp=n;
8
      while(temp>0){
9
          temp = temp /10;
10
          d++;
11
12
      temp =n;
13
      while(temp>0){
14
           r=temp%10;
15
           sum =sum +pow(r,d);
1.6
           temp=temp/10;
17
      }
18
      temp=n;
19
      if(temp==sum)
20
           printf("Armstrong Number.");
21
      else
22
           printf("Not Armstrong Number.");
23 }
24
```

Sequence Generator



```
& Open in editor
 Language: C
1 #include <stdio.h>
2 int main()
3 {
4
       int n;
      int a;
      int b;
      int c;
8
      scanf("%d",&n);
      scanf("%d",&a);
10
      scanf("%d",&b);
11
      for (int i=0; i<n; i++){
12
           printf("%d ",a);
13
           c = a + b;
14
           a = b;
15
           b = c;
16
17
       return 0;
18 }
19
```

Perfect Square



```
& Open in editor
 Language: C
 1 #include <stdio.h>
 2 #include <string.h>
 3 #include <math.h>
 4 #include <stdlib.h>
 6 int main()
 7 {
 8
       long int n;
       scanf("%ld",&n);
 9
       long int s = (long int) sqrt (n);
10
11
       if (s*s==n){
12
           printf("Perfect Square");
13
14
      else{
15
           printf("Not a Perfect Square");
16
       return 0;
17
18 }
19
```

Power Play



```
P Open in editor
 Language: C
1 #include <stdio.h>
3 int main() {
      int n;
     scanf("%d", &n);
     while (n % 2 == 0 && n > 1) {
          n = n / 2;
8
9
      if (n == 1)
10
11
          printf("1");
12
13
      else
14
15
          printf("0");
16
17
18
      return 0;
19 }
20
```

Palindrome Number



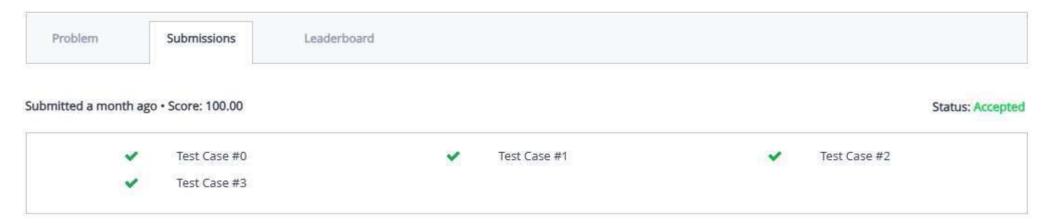
```
Language: C
                                                                                                                    P Open in editor
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
6 int main()
7 {
8
      long int n , r, sum =0,temp;
9
      scanf("%ld",&n);
10
      temp=n;
      while(n>0){
12
           r=n%10;
13
           sum = sum*10+r;
14
               n =n/10;
15
16
      if(temp==sum)
           printf("Palindrome.");
17
18
       else
19
           printf("Not Palindrome.");
20 }
21
```

Factorial Number



```
Language: C
                                                                                                                  P Open in editor
 1 #include <stdio.h>
2 int main()
 3 {
 4
      long long int n;
 5
      scanf("%lld",&n);
 6
      long long int factorial = 1;
 7
      for(int i=1;i<=n;i++)
9
           factorial = factorial*i;
10
11
       printf("%lld\n", factorial);
12
      return 0;
13 }
```

Digits Sum



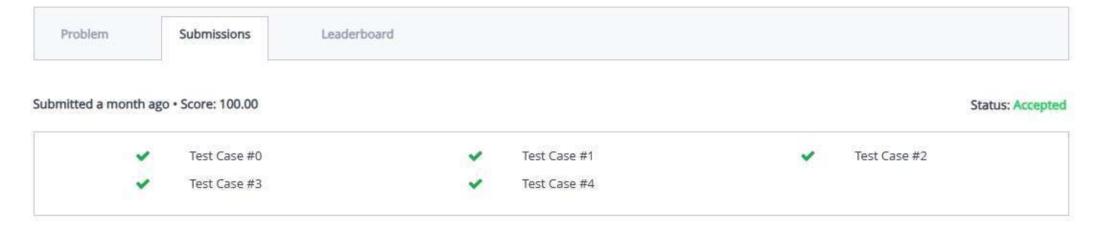
```
& Open in editor
 Language: C
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
6 int main()
7 {
8
      int t;
      scanf("%d",&t);
9
10
      for (int i=1; i<=t; i++)
11
12
          long int n;
13
           scanf("%ld",&n);
          int sum = 0;
14
15
          while (n!=0)
16
17
               int r = n %10;
18
               sum+=r;
19
               n = n/10;
20
21
           printf("%d\n",sum);
22
23
      return 0;
24 }
```

Perfect Number



```
P Open in editor
 Language: C
1 #include <stdio.h>
2 #include <string.h>
3 #include <math.h>
4 #include <stdlib.h>
6 int main()
7 {
8
      int n;
9
      scanf("%d",&n);
10
      int sum=0;
11
      for (int i=1;i<n;i++)
12
13
          if (n%i==0){
14
               sum+=i;
15
16
17
      if (sum==n)
18
19
          printf("Perfect Number.");
20
21
      else{
22
           printf("Not Perfect Number.");
23
24
      return 0;
25 }
```

Reverse Number



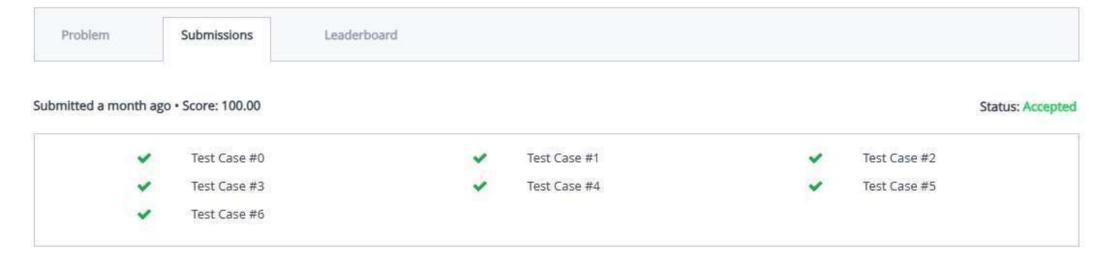
```
Language: C
                                                                                                               & Open in editor
1 #include <stdio.h>
2 int main()
3 {
      long int n;
4
      scanf("%ld",&n);
      long int r = 0;
      while(n>0){
      r =r*10; // phele r ko kese 43 banaye , r ko 10 se multiply karne ke baad
      r = r +(n%10); // Phir us digit ko r mein add karna hai, fir aage solve kare 43 banane ke baad sum kare or fir
  modulous kare
                     // n ko divide kar denge 10 say kyki agr nahi karenge to 0 aa jayega baad may ......
      n = n/10;
10
11 }
      printf("%ld ",r);
12
13
      return 0;
14 }
```

Even Numbers Loop



```
Language: C
                                                                                                                     & Open in editor
 1 #include <stdio.h>
 2 #include <math.h>
3 int main()
4 {
      int N;
       scanf("%d",&N);
       for(int i=1;i<=N;i++)
 8
 9
          if(i%2==0) {
10
               printf("%d ",i);
11
12
13
       return 0;
14 }
```

Reverse Table



```
& Open in editor
 Language: C
 1 #include <stdio.h>
 2 int main()
 3 {
 4
      long int n;
      long int m;
      scanf("%ld",&n);
      scanf("%ld",&m);
      for (int i = m; i>=1;i--)
 8
9
10
           printf("%ld ",n*i);
11
12
       return 0;
13 }
14
```

Operator Finding



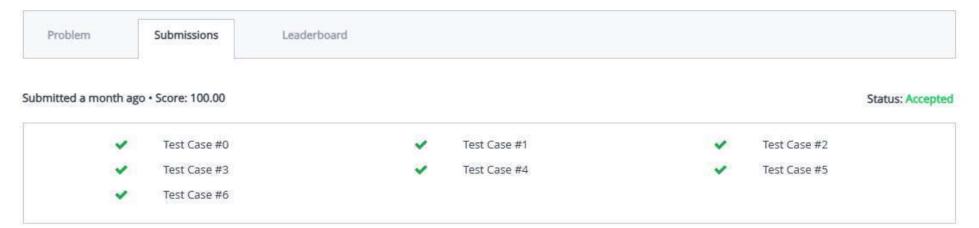
```
Language: C
                                                                                                                  & Open in editor
 1 #include <stdio.h>
2 #include <string.h>
 3 #include <math.h>
 4 #include <stdlib.h>
 6 int main()
 7 {
      int a,b, c;
       scanf("%d %d %d", &a,&b,&c);
 9
      if (c == (a+b) ) {
10
11
       printf("+");
12
13
       else if(c == a-b||c == b-a){
          printf("-");
14
15
       else if (c == a/b) {
16
17
       printf("/");
18
       else if(c == a*b){
19
       printf("*");
20
21
22
       else if (c == a%b) {
23
       printf("%c", (char) 37);
24
25
       return 0;
26 }
```

Profit and Loss



```
Language: C
                                                                                                                  P Open in editor
1 #include <stdio.h>
2 int main()
3 {
      double percentage;
4
5
      double cp;
      scanf("%lf",&cp);
      double sp;
8
      scanf("%lf",&sp);
9
      if (sp>cp){
          percentage =((sp-cp)/cp)*100;
10
11
          printf("Profit\n");
12
          printf("%.2lf%%\n",percentage);
13
      else if (cp>sp){
14
15
          percentage=((cp-sp)/cp)*100;
          printf("Loss\n");
16
17
          printf("%.2lf%%\n", percentage);
18
19
      else {
20
          printf("No Profit and No Loss.\n0.00%%");
21
22
      return 0;
23 }
24
```

Days in month



```
Language: C
                                                                                                                  P Open in editor
 1 #include <stdio.h>
 2 #include <math.h>
3 int main()
 4 {
 5
       int m;
 6
      scanf("%d", &m);
       if (m==1 || m==3 || m==5 || m==7 || m==8 || m==10 || m==12)
 8
 9
       printf("%d",31);
       printf("\\n");
10
11
12
            else if (m==2) {
13
            printf("%d",28);
14
            printf("\\r");
15
16
            else if (m==4 || m==6 || m==9 || m==11){
17
            printf("%d",30);
18
            printf("\\t");
19
     3
20
      else{
21
             printf("Wrong month value.");
22
23
        return 0;
24 }
25
```

Exam vs Trip



```
& Open in editor
 Language: C
 1 #include <stdio.h>
2 int main()
3 {
 4
      int N, S, C, H, L, T;
      scanf("%d %d %d %d %d %d", &N, &S, &C, &H, &L, &T);
 6
      int total_hours_need = S*C*H;
 7
      int total_available_days = N-L;
      int total_hours_available = total_available_days * T ;
9
      if (total_hours_available >= total_hours_need){
10
      printf("Goa Jaayenge.");
11
12
      else
13
14
          printf("Padhai Karenge.");
15
16
      return 0;
17 }
18
```

Leap Year



```
Language: C

1  #include <stdio.h>
2  int main()
3 {
    int N;
    scanf("%d",&N);
    for (int year = 1; year<=N; year++){
        if ((year % 4 == 0 && year % 100 != 0) || (year % 400 == 0)) {
            printf("%d ", year);
        }
10    }
11    }
12
13</pre>
```

Vowel or Consonant

Problem Submissions Leaderboard

Submitted a month ago • Score: 100.00 Status: Accepted

✓ Test Case #0
✓ Test Case #1
✓ Test Case #2
✓ Test Case #3
✓ Test Case #4
✓ Test Case #5

```
Language: C
                                                                                                                      P Open in editor
 1 #include <stdio.h>
3 int main()
4 {
       char ch;
       scanf("%c", &ch);
       if ((ch >= 'a' \&\& ch <= 'z')||(ch >= 'A' \&\& ch <= 'Z')){}
           if (ch == 'a'||ch =='e'||ch == 'i'||ch =='o'||ch == 'u' || ch == 'A'|| ch == 'E' || ch == 'O' || ch == 'U'){
               printf("Vowel.\n");}
 9
10
       else{printf("Consonant.\n");
11
12
13
14
       else{
15
           printf("Not an alphabet.");
16
17
       return 0;
18 }
19 // if (ch == 'a,e,i,o,u,A,E,I,O,U') doubght hai sir say puchna hai lab may .....
```

Time Matcher



```
Language: C
                                                                                                                    & Open in editor
1 #include <stdio.h>
2 int main()
3 {
      int HH, MM;
4
5
      scanf("%d %d",&HH, &MM);
      if (HH >=4 && HH <12){
 6
7
           printf("Good Morning");
8
9
      else if (HH >=12 && HH < 16)
10
11
           printf("Good Afternoon");
12
13
      else if (HH >=16 && HH <21)
14
           printf("Good Evening");
15
16
      else
17
18
19
           printf("Good Night");
20
21
       return 0;
22 }
```

Valid Triangle



```
Language: C
                                                                                                                     & Open in editor
1 #include <stdio.h>
2 int main()
3 {
4
      int t;
      scanf("%d",&t);
      for (int i=0; i<t;i++){
           int a;
8
           int b;
9
           int c;
           scanf("%d %d %d",&a,&b,&c);
10
11
           if (a+b+c==180){
12
               printf("YES\n");
13
14
        else{
           printf("NO");
15
16
17
18
       return 0;
19 }
20
```

Rounding Function



```
Language: C

# #include <stdio.h>
# #include <math.h>
int main()

{
    double n;
    scanf("%lf",&n);
    printf("%.6f\n", floor(n));
    printf("%.6f\n", ceil(n));
    return 0;
}
```

Bitwise Operator



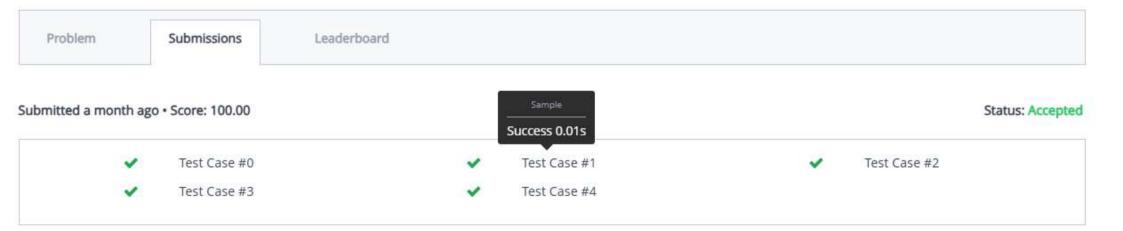
```
Language: C
                                                                                                                    & Open in editor
1 #include <stdio.h>
2 int main()
3 {
 4
      int a;
5
      int b;
 6
      scanf("%d",&a);
      scanf("%d",&b);
8
      printf("%d",a + ~ b+1);
      return 0;
10 }
11
```

Swapping Numbers



```
Language: C
                                                                                                                    P Open in editor
1 #include <stdio.h>
2 int main()
3 {
4
      int a;
5
      int b;
6
      scanf("%d",&a);
7
      scanf("%d",&b);
8
      a=a+b;
9
      b=a-b;
10
       a=a-b;
      printf("%d",a);
11
12
       printf(" %d",b);
13
       return 0;
14 }
15
```

Maths Function



```
Language: C
                                                                                                                     P Open in editor
1 #include <stdio.h>
2 int main()
3 {
       float a;
      float b;
      float c;
       scanf("%f",&a);
       scanf("%f",&b);
       scanf("%f",&c);
10
      printf("%.5f",pow(a,b));
11
       printf("\n%.5f",sqrt(c));
12
       return 0;
13 }
```

ASCII Code



```
Language: C

#include <stdio.h>
int main()

{
    char a;
    scanf("%c",&a);
    printf("%d",a);
    return 0;

}

Open in editor
```

Maximum Three



```
Language: C
                                                                                                                   P Open in editor
 1 #include <stdio.h>
 2 int main()
3 {
 4
      int a;
      int b;
 6
      int c;
      scanf("%d",&a);
 8
      scanf("%d",&b);
 9
      scanf("%d",&c);
10
      if (a>b && a>c){
           printf("%d ", a);
11
12
13
      else if (c>a && c>b){
           printf("%d ", c);
14
15
16
       else
           printf("%d ",b);
17
18
19
      return 0;
20 }
21
```





























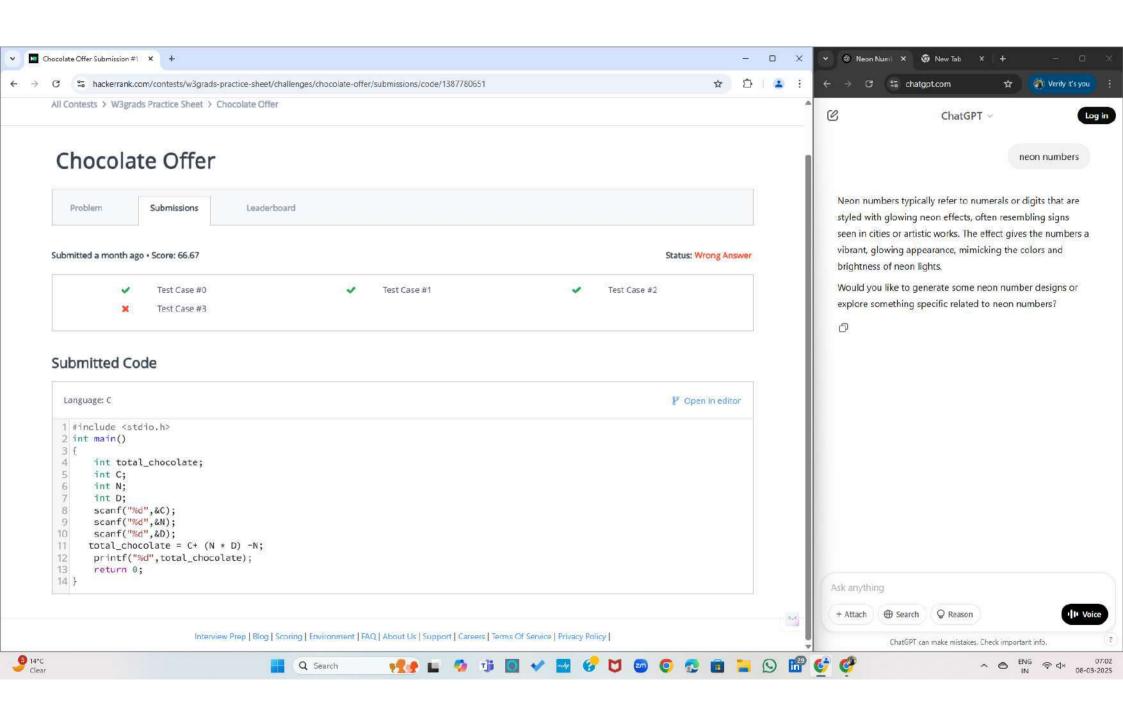




Chocolate Offer



```
Language: C
                                                                                                                    P Open in editor
 1 #include <stdio.h>
2 int main()
 3 {
       int total_chocolate;
       int C;
       int N;
       int D;
       scanf("%d",&C);
       scanf("%d",&N);
 9
       scanf("%d",&D);
10
      total_chocolate = C+(N * D) -N;
11
       printf("%d",total_chocolate);
12
13
       return 0;
14 }
```



Neon Number



```
Language: C
                                                                                                                   P Open in editor
1 #include <stdio.h>
2 int main()
3 {
4
      int x, sum = 0, square;
5
      scanf("%d", &x);
6
      square = x * x;
7
      while (square > 0) {
8
           sum += square % 10;
9
          square /= 10;
10
11
      if (sum == x)
12
           printf("Neon Number.\n");
13
      else
14
           printf("Not Neon Number.\n");
15
16
      return 0;
17 }
18
```