

```
#include <stdio.h>
int main(){
int n;
scanf("%d",&n);
int f;
f=n/2+1;
printf("%d",f);
return 0;}
```

INPUT:

7643

OUTPUT:

```
#include<stdio.h>
int main()
{
   int iplno;
   scanf("%d",&iplno);
   printf("%o",iplno);
   printf("\n%x",iplno);
   return 0;
}
INPUT:
1953
OUTPUT:
```

3641

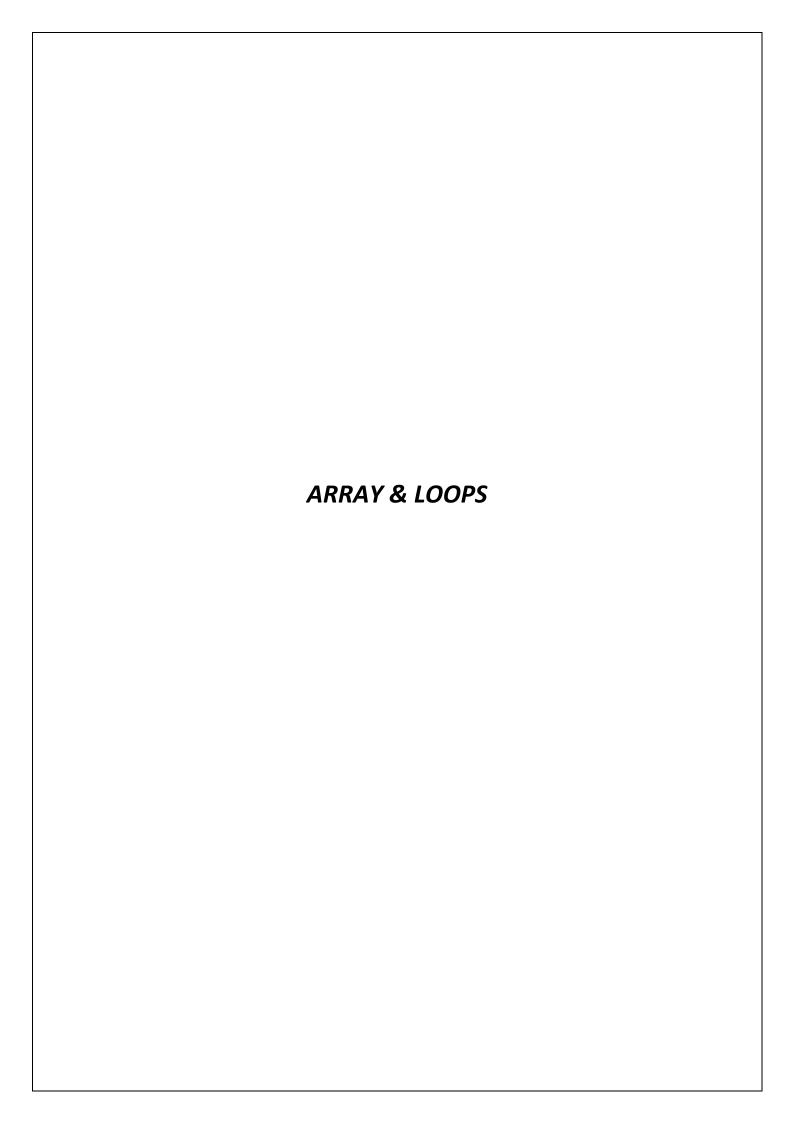
7a1



```
PROGRAM 1:
#include <stdio.h>
int main()
{
  int number1,number2;
  scanf("%d%d",&number1,&number2);
  if(number1>number2){
    printf(">");}
  else if(number1<number2){</pre>
    printf("<");}</pre>
  else{
    printf("=");}
     return 0;
}
INPUT:
7845 9825
OUTPUT:
<
```

```
PROGRAM 2:
#include <stdio.h>
int main()
{
 int number;
 scanf("%d",&number);
 if(number>0)
 printf("POSITIVE");
 else
 printf("NEGATIVE");
     return 0;
}
INPUT:
89
OUTPUT:
```

POSITIVE



```
PROGRAM 1:
#include <stdio.h>
int main()
{
int competition[100002];
int n;
scanf("%d",&n);
int i,sum;
for(i=0;i<n;i++)
scanf("%d",&competition[i]);
for(i=0;i<n;i++){
sum=competition[i]+competition[i+1];
printf("%d ",sum);
}
return 0;
}
INPUT:
6 -4 8 -2 3
OUTPUT:
2 4 6 1 3
```

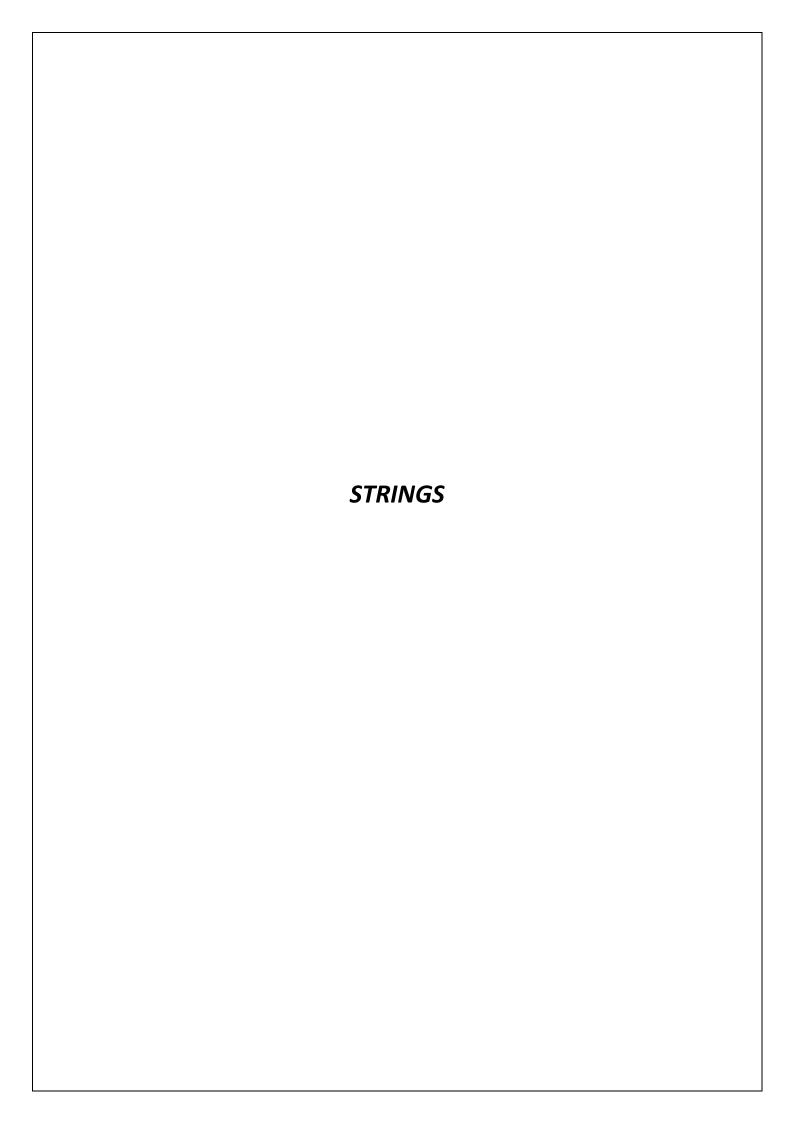
```
#include <stdio.h>
int main()
{
int A[3][3];
int i,j;
for(i=0;i<3;i++){
for(j=0;j<3;j++){
scanf("%d ",&A[i][j]);
}
int s1=0,s2=0;
for(i=0;i<3;i++){
for(j=0;j<3;j++)
if((i+j)\%2==0)
s1=s1+A[i][j];
else
s2=s2+A[i][j];
}
printf("%d\n%d",s1,s2);
return 0;
```

<u>INPUT :</u>

89 45 12 18 76 11 9 2 15

OUTPUT:

201



```
#include <stdio.h>
#include <string.h>
int main()
int n,i;
scanf("%d",&n);
while(n--){
int MAX=10;
char a[MAX],b[MAX];
scanf("%s",a);
scanf("%s",b);
int flag=0;
for(i=0;i<strlen(a);i++){</pre>
if(a[i]!=b[i]){
if(a[i]=='?'||b[i]=='?') flag=flag;
else
flag=1;}
if(flag) printf("No\n");
else printf("Yes\n");
return 0;}
```

INPUT:

4

ma?am

?ad?m

jh?ui

iu?iu

iu?a?

hui?i

ik?uy

?kiu?

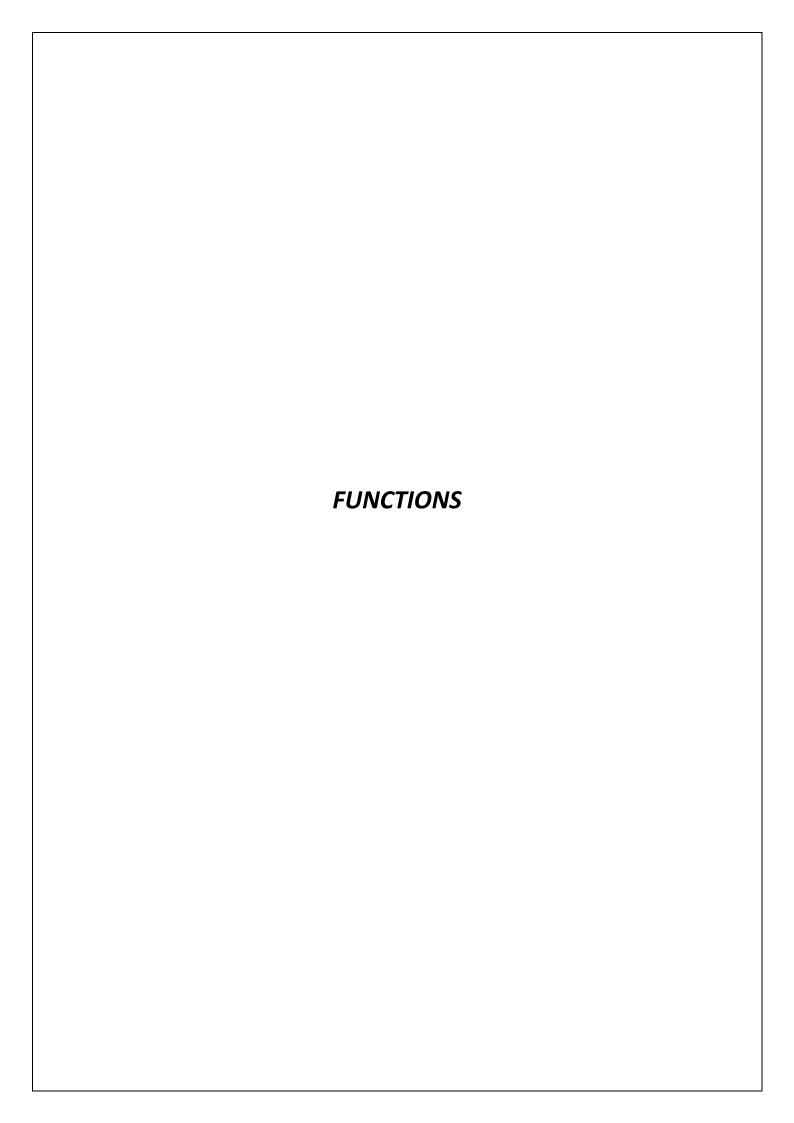
OUTPUT:

Yes

No

WIN LOSE WIN

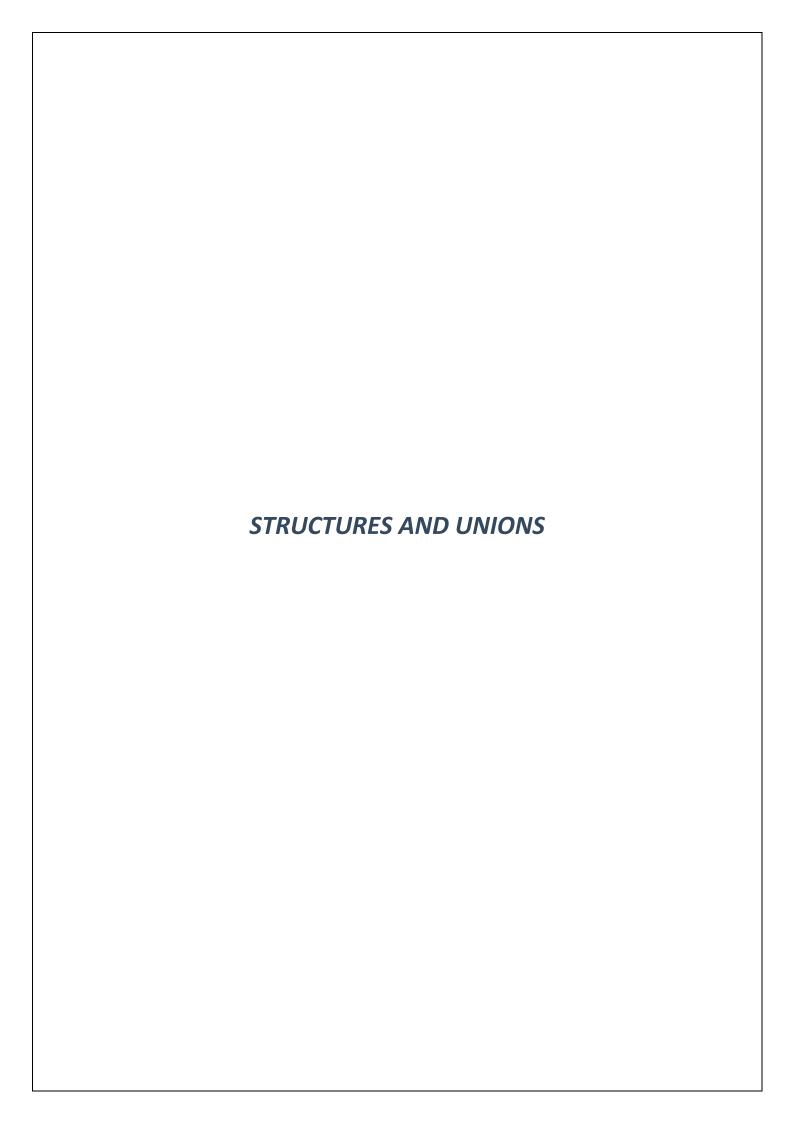
```
#include <stdio.h>
#include <string.h>
int main()
{char s[100002];
int test,i;int flag=0;
scanf("%d",&test);
while(test--){
scanf("%s",s);
flag=0;
for(i=0;i<strlen(s)-1;i++){
if(s[i]=='1'||s[i+1]=='0')
flag++;
}
if(flag%2==0)printf("WIN\n");else printf("LOSE\n");
}
return 0;
}
INPUT:
4
17
32
14
29
OUTPUT:
LOSE
```



```
#include <stdio.h>
int sum(int arr[],int start, int len);
int main()
{int N,i;
scanf("%d",&N);
int arr[N];
for (i=0;i<N;i++)
scanf ("%d",&arr[i]);
int sumofarray=sum(arr,0,N);
printf("%d",sumofarray);
return 0;
int sum(int arr[],int start,int len)
{int i;
for(i=0;i<len;i++)</pre>
start+=arr[i];
return start;
INPUT:
10
1 2 3 4 5 6 7 8 9 10
OUTPUT:
```

YES

```
#include <stdio.h>
#include <string.h>
int checkPali(int);
int n,t,rem,r=0;
int main(){
scanf("%d",&n);
checkPali(n)==0?printf("YES"):printf("NO");
return 0;
int checkPali(int n){
t=n;
while(n!=0){
r=r*10+n%10;
n/=10;
if(r==t)return 0;
else return 1;
INPUT:
123321
OUTPUT:
```



```
#include <stdio.h>
#include<math.h>
struct EMI{
float pay;};
int main()
{
float p,r,t,emi;
scanf("%f%f%f",&p,&r,&t);
r=r/1200;
t=t*12;
emi=p*r*pow(1+r,t)/(pow(1+r,t)-1);
printf("%.2f",emi);
return 0;
}
INPUT:
200000
10
2
OUTPUT:
9228.99
```

```
#include <stdio.h>
struct video{
char res[20];
int dish;
};
int main(){
struct video clip;
int total=0,i;
for(i=0; i<7; i++){
scanf("%s%d",clip.res,&clip.dish);
printf("%s:%d\n",clip.res,3*(clip.dish));
total+=3*clip.dish;
}
printf("TOTAL : %d",total);
return 0;
}
```

INPUT:

Shimla 21

Chennai 6

Mysore 4

Kedharnath 23

Amaranth 9

Hydrabad 7

Bangalore 8

OUTPUT:

Shimla: 63

Chennai: 18

Mysore: 12

..,...

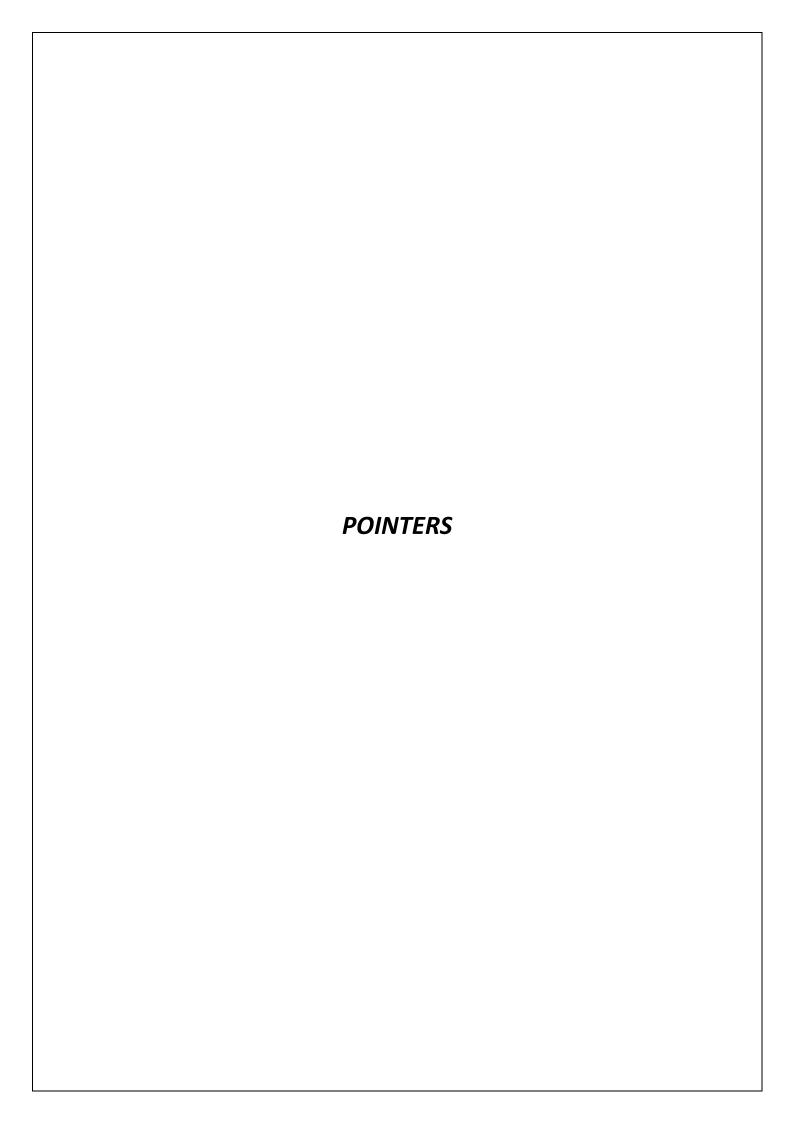
Kedharnath: 69

Amaranth: 27

Hydrabad: 21

Bangalore: 24

TOTAL: 234



```
#include <stdio.h>
void I(){ if(0) printf("*h=(int *)malloc(n*sizeof(int));");}
int main()
int i,a[100],n,max=0,k;
scanf("%d%d",&n,&k);
for(i=0;i<n;i++)
{
scanf("%d",&a[i]);
if(max<a[i])max=a[i];</pre>
}
printf("%d",max-k);
return 0;
INPUT:
10 4
1 6 3 5 2 8 7 9 4 2
OUTPUT:
5
```

```
#include <stdio.h>
#include <stdlib.h>
void print();
int main()
{
print();
return 0;
void print()
int n =3,i;
int *boxes;
int box;
scanf("%i",&box);
boxes = malloc(n * sizeof(box));
while(box--)
{
for(i=0; i < n; i++)
scanf("%i", (boxes+i));
if(*(boxes+2)<42)
int total = (*boxes)*(*(boxes+1))*(*(boxes+2));
printf("%i\n",total);
```

INPUT:

4

5 5 5

1 2 40

10 5 1

7 2 43

OUTPUT:

125

80

PROGRAM 3:

```
#include <stdio.h>
int compare(const void *a, const void *b)
{
return 1;
void sum();
int main()
{ sum();
return 0;
void sum()
int n,i,j,count=0;
scanf("%d",&n);
int arr[n];
for(i=0;i < n;i++)
{
scanf("%d",&arr[i]);
for(i=0;i<n;i++)
for(j=i+1;j<n;j++)
if(arr[i] == arr[j])
count++;
printf("%d",count);
```

<u>INPUT :</u>

5 3 4 2 4 9

OUTPUT: