#include<stdio.h>

int main()

{

int i,j,n;

scanf("%d",&n);

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

{

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

if (i%2==0)

{

if (j%2==0)

printf("1");

else

printf("0");

}

else

{

if (j%2==0)

printf("0");

else

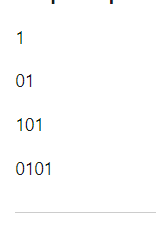
printf("1");

}

printf("\n");

}

}



#include<stdio.h>

int main()

{

int n,flag=0,i,j;

scanf("%d",&n);

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

{

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

{

if ((n\*n)==(i\*i)+(j\*j))

flag=1;

}

}

if (flag==0)

printf("YES");

else

printf("NO");

return 0;

}

**Hypotenuse number or not**

Sum of Array

#include<stdio.h>

#define max 100

int main()

{

//instead of #define max 100 we can use const int max=100; inside main

int a[max];

int n,i,sum=0;

printf("Input the array size: ");

scanf("%d",&n);

printf("\nEnter the array elements: ");

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

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

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

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

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

{

sum=sum+a[i];

}

printf("\nSum of elements in array=%d",sum);

return 0;

}

Sum of Even elements

#include<stdio.h>

#define max 100

int main()

{

//instead of #define max 100 we can use const int max=100; inside main

int a[max];

int n,i,sum=0;

printf("Input the array size: ");

scanf("%d",&n);

printf("\nEnter the array elements: ");

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

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

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

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

printf("\n");

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

{

if (a[i]%2==0)

{

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

sum+=a[i];

}

}

printf("\nSum of even numbers=%d",sum);

return 0;

}

Binary elements

#include<stdio.h>

#define max 100

int main()

{

//instead of #define max 100 we can use const int max=100; inside main

int a[max],b[max];

int n,i,c=0;

printf("Input the array size: ");

scanf("%d",&n);

printf("\nEnter the array elements: ");

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

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

printf("\n");

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

{

if (a[i]==1)

{

b[c]=a[i];

c++;

}

}

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

{

if (a[i]==0)

{

b[c]=a[i];

c++;

}

}

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

printf("%d ",b[i]);

return 0;

}