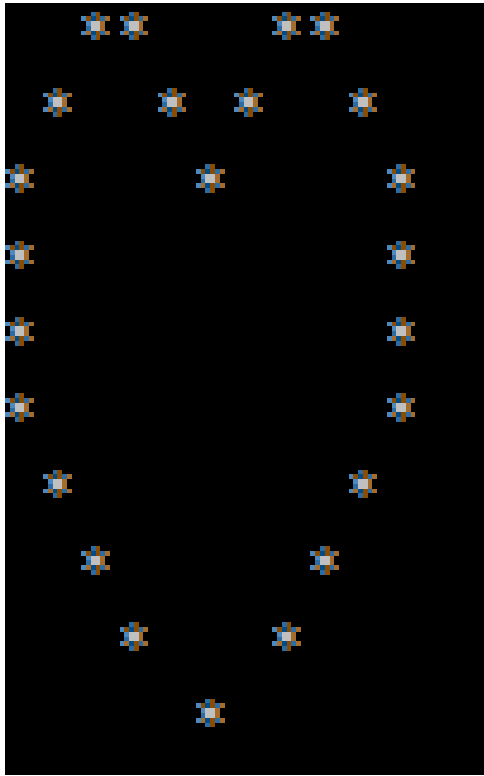


GRUPA 1

1. Napisati C program koji će iscrtati srce datog oblika na ekranu. Program nema ulazne podatke.



Rešenje (Maksimović Maša)

```
#include <iostream>
using namespace std;
int main ()
{
    cout<<" "<<"**"<<" "<<"**"<<" "<<endl;
    cout<<" "<<"*"<<" "<<"*"<<" "<<"*"<<" "<<"*"<<" "<<endl;
    cout<<"**"<<" "<<"**"<<" "<<"**"<<endl;
    cout<<"**"<<" "<<"**"<<endl;
    cout<<"**"<<" "<<"**"<<endl;
    cout<<"**"<<" "<<"**"<<endl;
    cout<<" "<<"*"<<" "<<"*"<<" "<<endl;
    cout<<" "<<"*"<<" "<<"*"<<" "<<endl;
    cout<<" "<<"*"<<" "<<"*"<<" "<<endl;
    cout<<" "<<"*"<<endl;
    return 0;
}
```

2. Napisati C program koji za uneto n iscrtava kvadrat sa n^2 zvezdica, pri čemu se dimenzija n unosi sa standardnog ulaza.

Rešenje (Ćulafić Pavle)

```
#include <stdio.h>
int main()
{
    int n,i,j;
    scanf("%d",&n);
    for(i=1;i<=n;i++)
    {
        for(j=1;j<=n;j++)
            printf("*");
```

```

    printf("\n");
}
}

```

3. Napisati C program koji ispisuje naredni dijagram, pri čemu se dimenzija n unosi sa standardnog ulaza.
Primer za n=6



Rešenje (Ivančić Jelena)

```

#include <iostream>

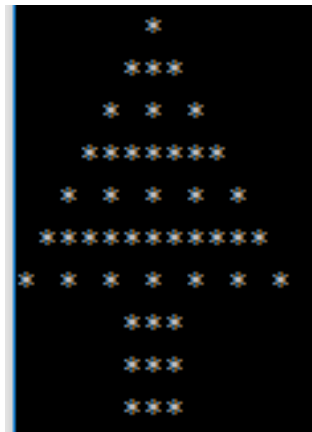
using namespace std;

int main()
{
    int n,i,j;
    cin >> n;
    for (i=n; i>=1; i--) {
        for (j=1; j<=n-i; j++) cout << " ";
        if (i%2==0) {
            for (j=1; j<=i; j++) cout << "* ";
        }
        for (j=1; j<=n-i; j++) cout << " ";
        cout << endl;
    }
    else {
        for (j=1; j<=2*i; j++) cout << "*";
        for (j=1; j<=n-i; j++) cout << " ";
    }
    cout << endl;
}
return 0;
}

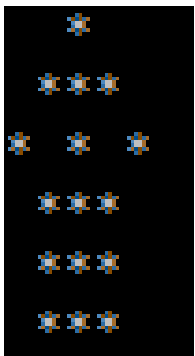
```

4. Napisati C program koji iscrtava jelkicu sa stablom.

Na primer za n=7



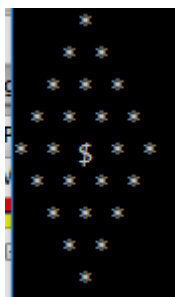
Na primer $n=3$



Rešenje (Đanković Irina)

```
#include <stdio.h>
#include <stdlib.h>
```

```
int main()
{
    int n,i,j,k,m,h,p,g;
    scanf("%d", &n);
    for (i=1;i<=n;i++)
    {
        if (i%2==1)
        {
            for (j=1;j<=n-i;j++)
                printf(" ");
            for (k=1;k<=i;k++)
                printf("* ");
            printf("\n");
        }
        else {
            for (k=1;k<=n-i;k++)
                printf(" ");
            for (h=0; h<=2*i-2; h++)
                printf("*");
            printf("\n");
        }
    }
    for (p=1; p<=3;p++)
    {
        for(g=1;g<=n-2;g++)
            printf(" ");
        printf("***\n");
    }
    return 0;
}
```



5. Napisati C program koji će za uneto neparno n , iscrtati deltoid sa znakom za dolar u centru.
Na primer za $n=5$

Rešenje (Maleš Uroš)

```
#include <stdio.h>
```

```
#include <stdlib.h>
```

```
int main()
```

```
{
```

```
    int n,i,j;
```

```
    scanf("%d", &n);
```

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

```
    {
```

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

```
        {
```

```
            printf(" ");
```

```
        }
```

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

```
        {
```

```
            printf("* ");
```

```
        }
```

```
        printf("\n");
```

```
    }
```

```
    for(j=1;j<=(n-1)/2;j++)
```

```
    {
```

```
        printf("* ");
```

```
    }
```

```
    printf("$");
```

```
    for(j=1;j<=(n-1)/2;j++)
```

```
    {
```

```
        printf(" *");
```

```
    }
```

```
    printf("\n");
```

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

```
    {
```

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

```
        {
```

```
            printf(" ");
```

```
        }
```

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

```
        {
```

```
            printf("* ");
```

```
        }
```

```
        printf("\n");
```

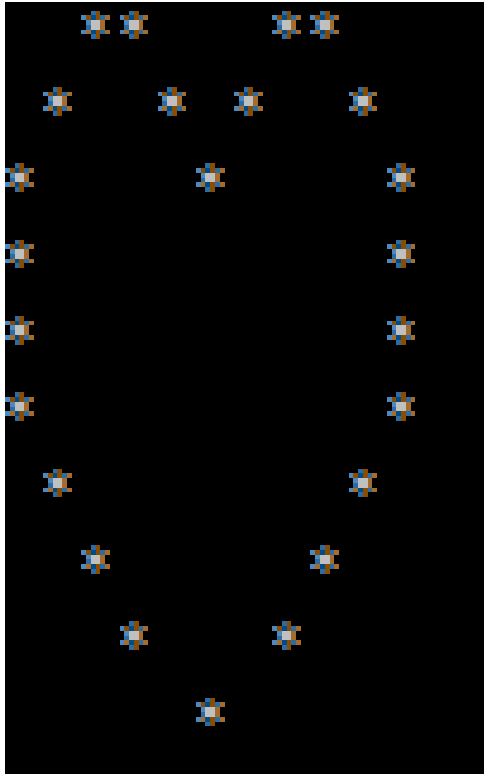
```
    }
```

```
    return 0;
```

```
}
```

GRUPA 2

1. Napisati C program koji će iscrtati srce datog oblika na ekranu. Program nema ulazne podatke.



2. Napisati program koji iscrtava jednakokraki pravougli trougao čija je stranica dimenzije n. Npr. za uneto n=4 iscrtava se

```
****
***
**
*
```

3. Napisati C program koji ispisuje naredni dijagram, pri čemu se dimenzija n unosi sa standardnog ulaza. Primer za n=6

```

  *
 * *
*****
* * * *
*****
* * * * *
* * * * *
```

Rešenje (Simić Mihailo)

```
#include <iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int n,i,j,k,l;
```

```
    cin>>n;
```

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

```

for(j=1;j<=n-i;j++) cout<<" ";
if(i%2==0){

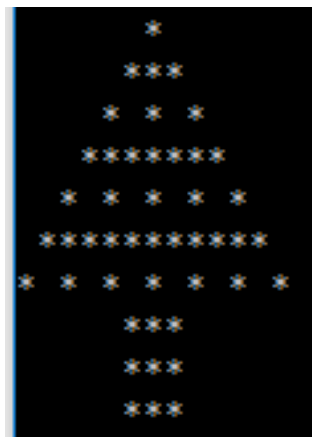
for(k=1;k<=i;k++) cout<<"* ";
cout<<"\n";

}

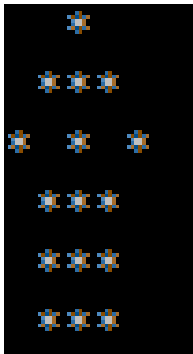
else{
for(l=1;l<=2*i-1;l++) cout<<"*";
cout<<"\n";
}
}
return 0;
}

```

4. Napisati C program koji iscrtava jelkicu sa stablom.
Na primer za n=7



Na primer n=3



5. Napisati C program koji će za uneto neparno n, iscrtati deltoid sa znakom za dolar u centru.
Na primer za n=5

