



ALL SHAPES

Using starics(*)

DJV programmers

//Diamond//

```
#include<iostream>

using namespace std;

int main()
{
    int i,j,k,n;

    cout<<"enter number"<<endl;

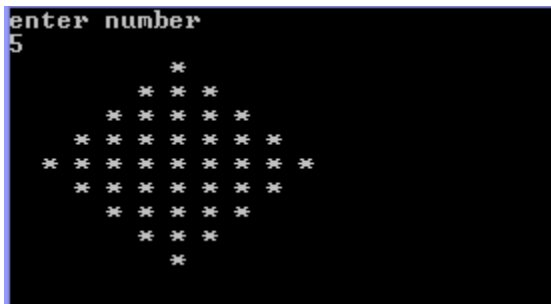
    cin>>n;

    for(i=1;i<=n;i++)
    {
        for(k=n;k>=i;k--)
        {
            cout<<" ";
        }
        for(j=1;j<=(2*i-1);j++)
            cout<<"*"<<" ";

        cout<<endl;
    }

    for(i=n-1;i>=1;i--)
```

```
        for(k=n;k>=i;k--)  
  
            cout<<" ";  
  
        for(j=1;j<=(2*i-1);j++)  
  
            cout<<"*"<<" ";  
  
        cout<<endl;  
  
    }  
  
}
```



//equilateral triangle//

```
#include<iostream>

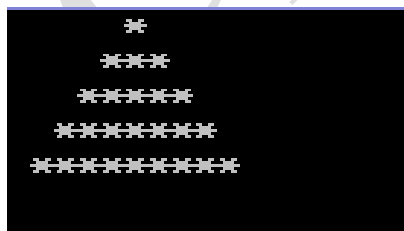
using namespace std;

int main()
{
    int i,j,k;

    for(i=1;i<=5;i++)
    {
        for(k=5;k>=i;k--)
        {
            cout<<" ";
        }

        for(j=1;j<=(2*i-1);j++)
            cout<<"*";

        cout<<endl;
    }
}
```



//opposite triangle//

```
#include<iostream>

using namespace std;

int main()
{
    int i,j,k;

    for(i=5;i>=1;i--)
    {
        for(k=5;k>=i;k--)

            cout<<" ";

        for(j=1;j<=(2*i-1);j++)

            cout<<"*";

        cout<<endl;

    }
}
```



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

//right angle triangle//

```
#include<iostream>

using namespace std;

int main()

{

    int i,j,n;

    cout<<"enter number of rows:"<<endl;

    cin>>n;

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

    {

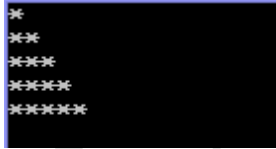
        for(j=1;j<=i;j++)

            cout<<"*";

        cout<<endl;

    }

}
```



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

//opposite right triangle//

```
#include<iostream>

using namespace std;

int main()

{

    int i,j,n;

    cout<<"enter number of rows:\n";

    cin>>n;

    for(i=n;i>=1;i--)

    {

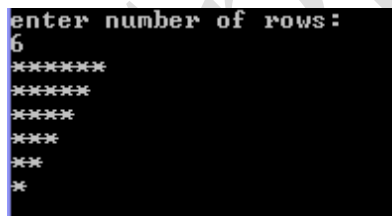
        for(j=1;j<=i;j++)

            cout<<"*";

        cout<<endl;

    }

}
```



```
enter number of rows:
6
*****
*****
****
***
**
*
```

//opposite equilateral triangle//

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int i,j,k;
```

```
    for(i=5;i>=1;i--)
```

```
    {
```

```
        for(j=5;j>=i;j--)
```

```
        cout<<" ";
```

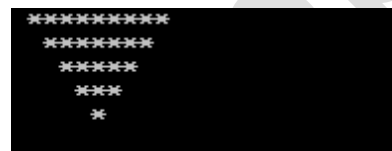
```
        for(k=1;k<=(2*i-1);k++)
```

```
        cout<<"*";
```

```
        cout<<endl;
```

```
    }
```

```
}
```



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


//angle brackets//

```
#include<iostream>

using namespace std;

int main()
{
    int i,j,k;

    for(i=5;i>=1;i--)
    {
        for(j=5;j>=i;j--)

            cout<<" ";

        for(k=1;k<=(2*i-1);k++)

            cout<<"*";

        cout<<endl;

    }
}
```



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

//space right triangle//

```
#include<iostream>

using namespace std;

int main()

{

    int i,j,k;

    for(i=5;i>=1;i--)

    {

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

            cout<<" ";

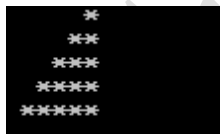
        for(k=5;k>=i;k--)

            cout<<"*";

        cout<<endl;

    }

}
```



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

//opposite space right triangle//

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int i,j,k;
```

```
    for(i=1;i<=5;i++)
```

```
    {
```

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

```
        cout<<" ";
```

```
        for(k=5;k>=i;k--)
```

```
        cout<<"*";
```

```
        cout<<endl;
```

```
    }
```

```
}
```



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

//box//

```
#include<iostream>
```

```
using namespace std;
```

```
int main()
```

```
{
```

```
    int i,j;
```

```
    for(i=1;i<=5;i++)
```

```
    {
```

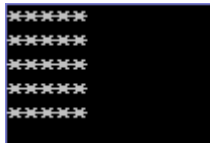
```
        for(j=1;j<=5;j++)
```

```
        cout<<"*";
```

```
        cout<<endl;
```

```
    }
```

```
}
```



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

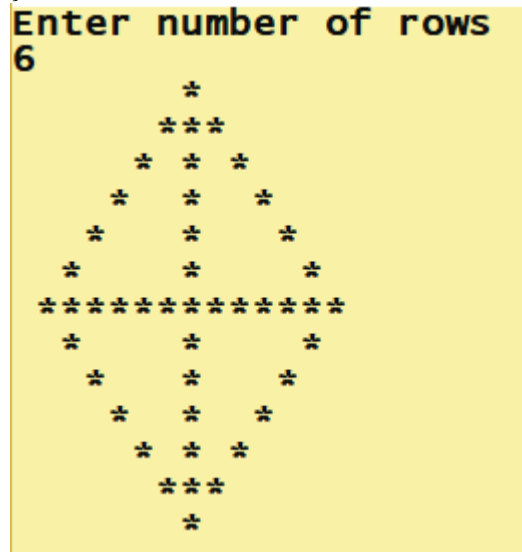

//Cross inside diamond//

```
#include<iostream>
using namespace std;
int main()
{
    int n;
    cout<<"Enter number of rows"<<endl;
    cin>>n;

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

        for(k=0;k<(2*i-1);k++)
        {
            if(k==(2*i-1)/2)
                cout<<"*";
            else
                cout<<" ";
        }
    }
}
```

```
        cout<<"*"<<endl;
    }
    for(i=0;i<=n;i++)
    {
        cout<<" ";
    }
    cout<<"*";
}
```

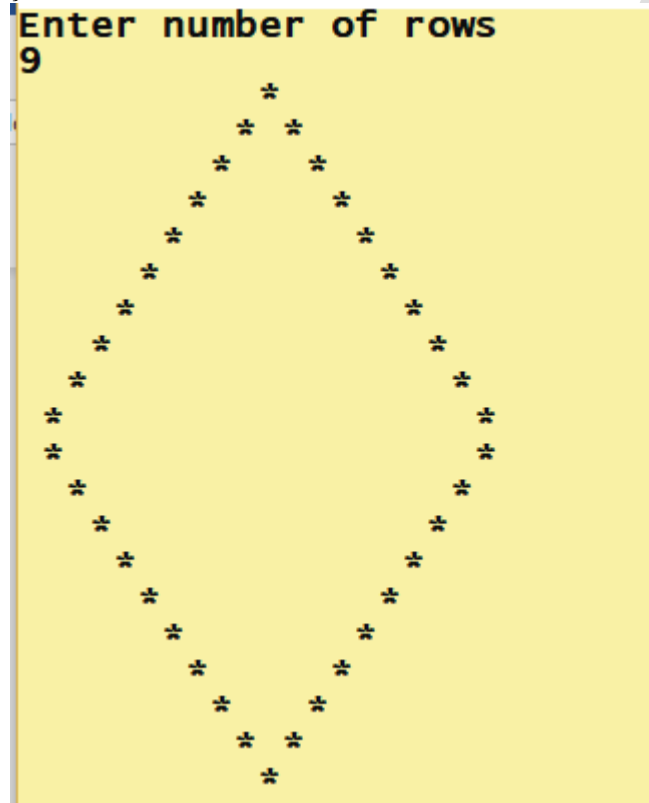


//Empty Diamond//

```
#include<stdio.h>
int main()
{
    int n;
    printf("Enter number of rows\n");
    scanf("%d",&n);

    int i,j,k;
    for(i=1;i<=n+1;i++)
    {
        printf(" ");
    }
    printf("*\n");
    for(i=1;i<=n;i++)
    {
        for(j=n;j>=i;j--)
        {
            printf(" ");
        }
        printf("*");
        for(k=0;k<(2*i-1);k++)
        {
```

```
        printf(" ");
    }
    printf("*\n");
    }
    for(i=1;i<=n;i++)
    {
        for(j=1;j<=i;j++)
        {
            printf(" ");
        }
        printf("*");
        for(k=(2*i-1);k<=(2*n-1);k++)
        {
            printf(" ");
        }
        printf("*\n");
    }
    for(i=0;i<=n;i++)
    {
        printf(" ");
    }
    printf("*");
}
printf("*");
}
```



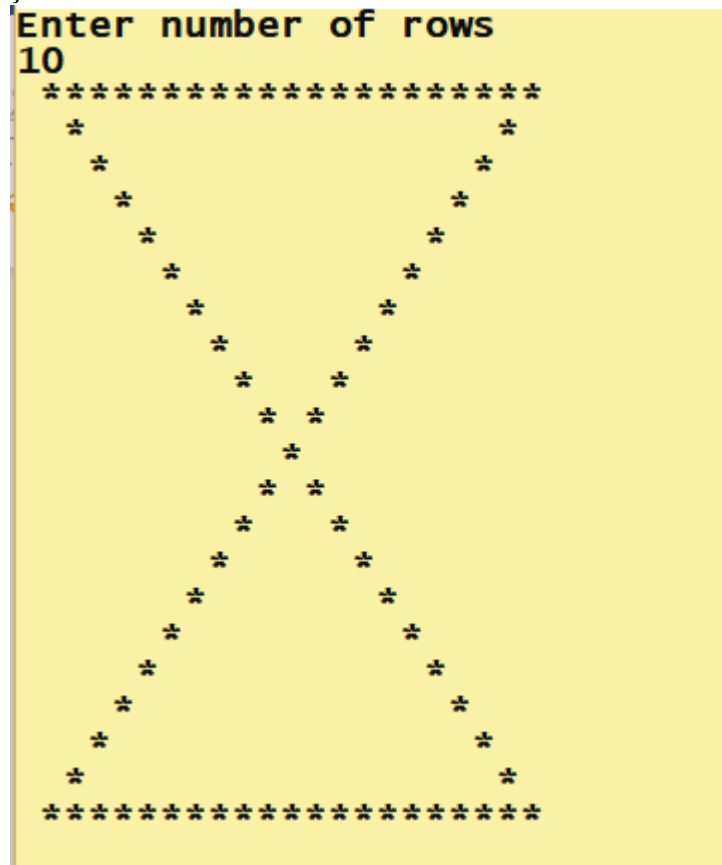
//opposite blank triangles//

```
#include<iostream>
using namespace std;
int main()
{
    int n;
    cout<<"Enter number of rows"<<endl;
    cin>>n;

    int i,j,k;

    for(i=1;i<=n;i++)
    {
        for(j=1;j<=i;j++)
        {
            cout<<" ";
        }
        cout<<"*";
        for(k=(2*n-1);k>=(2*i-1);k--)
        {if(i==1)
        cout<<"*";
        else
            cout<<" ";
        }
        cout<<"*"<<endl;
    }
    for(i=0;i<=n;i++)
    {
        cout<<" ";
    }
    cout<<"*";
    /*for(i=1;i<=n+1;i++)
    {
        cout<<" ";
    }
    cout<<"*";*/
    cout<<endl;
    for(i=1;i<=n;i++)
    {
        for(j=n;j>=i;j--)
        {
            cout<<" ";
        }
        cout<<"*";
        for(k=0;k<(2*i-1);k++)
        {
            if(i==n)
            {
                cout<<"*";
            }
        }
    }
}
```

```
    }  
    else  
        cout<<" ";  
    }  
    cout<<"*"<<endl;  
    }  
}
```



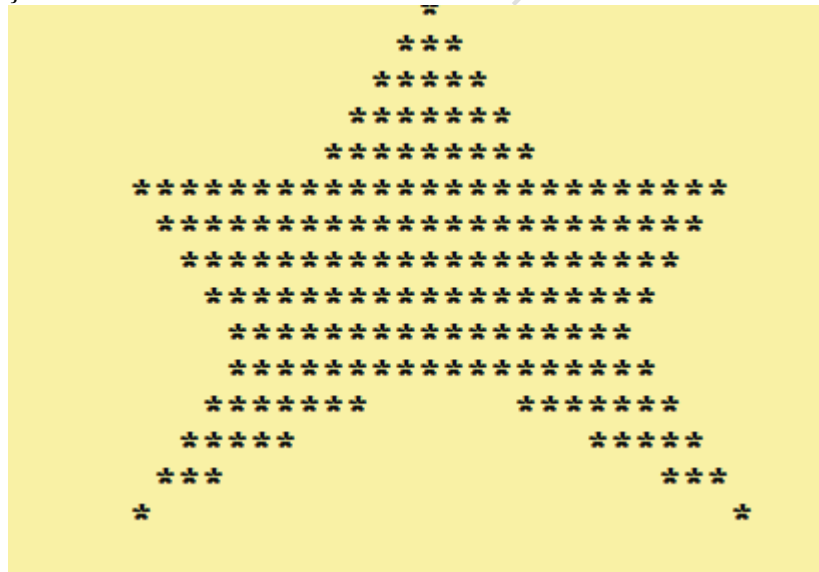
//STAR OF STARICS//

```
//print star of starics  
#include<iostream>  
using namespace std;  
int main()  
{  
    int i,j,k,n=5,m;  
    for(i=1;i<=n;i++)  
    {  
        cout<<"\t\t";  
        for(j=n;j>=i;j--)  
            cout<<" ";  
        for(k=1;k<=(2*i-1);k++)  
            cout<<"*";  
        cout<<endl;  
    }
```

```
}
n=13;
for(i=5;i>=1;i--)
{
    cout<<"\t";
    for(j=5;j>=i;j--)
    cout<<" ";
    for(k=1;k<=(2*n-1);k++)
    {
        cout<<"*";
    }

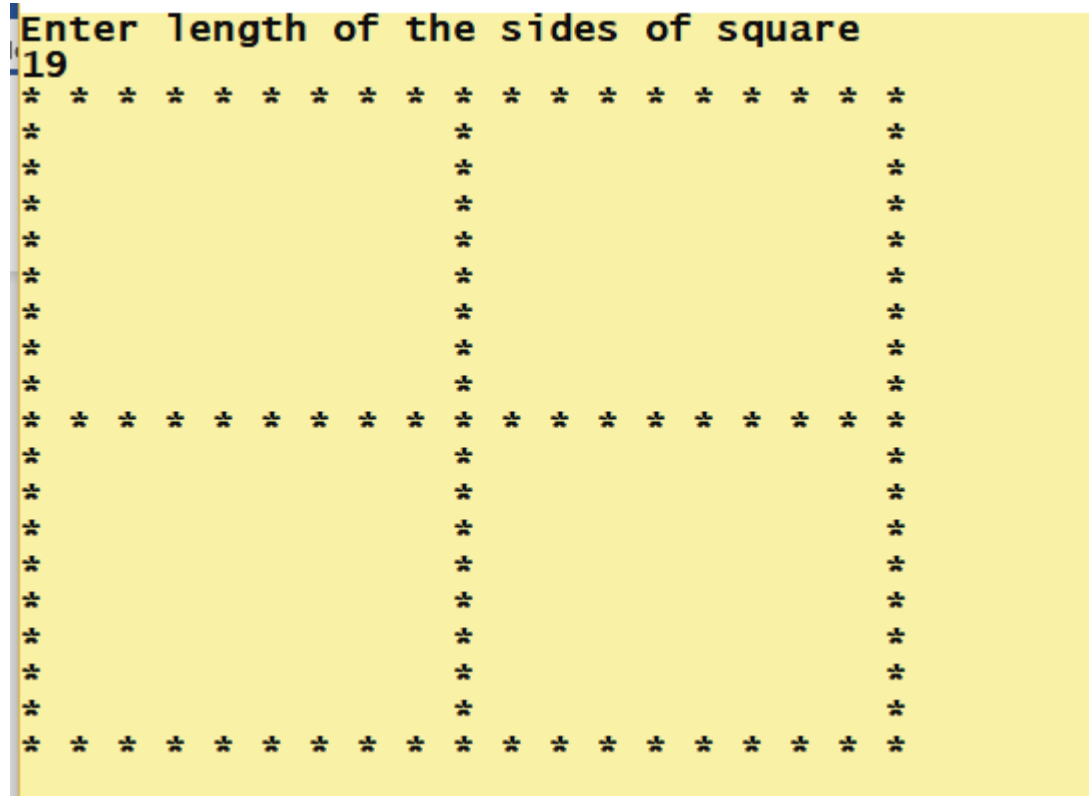
    n--;
    cout<<endl;

}
n=5;m=1;
for(i=n;i>=1;i--)
{cout<<"\t";
    for(j=1;j<=i;j++)
    {
        cout<<" ";
    }
    for(k=1;k<=(2*i-1);k++)
    cout<<"*";
    for(j=7;j<=6*m;j++)
    cout<<" ";
    for(k=1;k<=(2*i-1);k++)
    cout<<"*";
    m++;
cout<<endl;
}
}
```



//Square with plus inside//

```
#include<iostream>
using namespace std;
int main()
{
    int n,i,j,k;
    cout<<"Enter length of the sides of square"<<endl;
    cin>>n;
    {
        for(i=1;i<=n;i++)
        {
            if(i==1 || i==n || i==(n+1)/2 )
            {
                for(j=1;j<=n;j++)
                cout<<"* ";
                cout<<endl;
            }
            else
            {
                cout<<"* ";
                for(j=1;j<n-1;j++)
                {
                    if(j==n/2)
                        cout<<"* ";
                    else
                        cout<<" ";
                }
                cout<<"* "<<endl;
            }
        }
    }
}
```

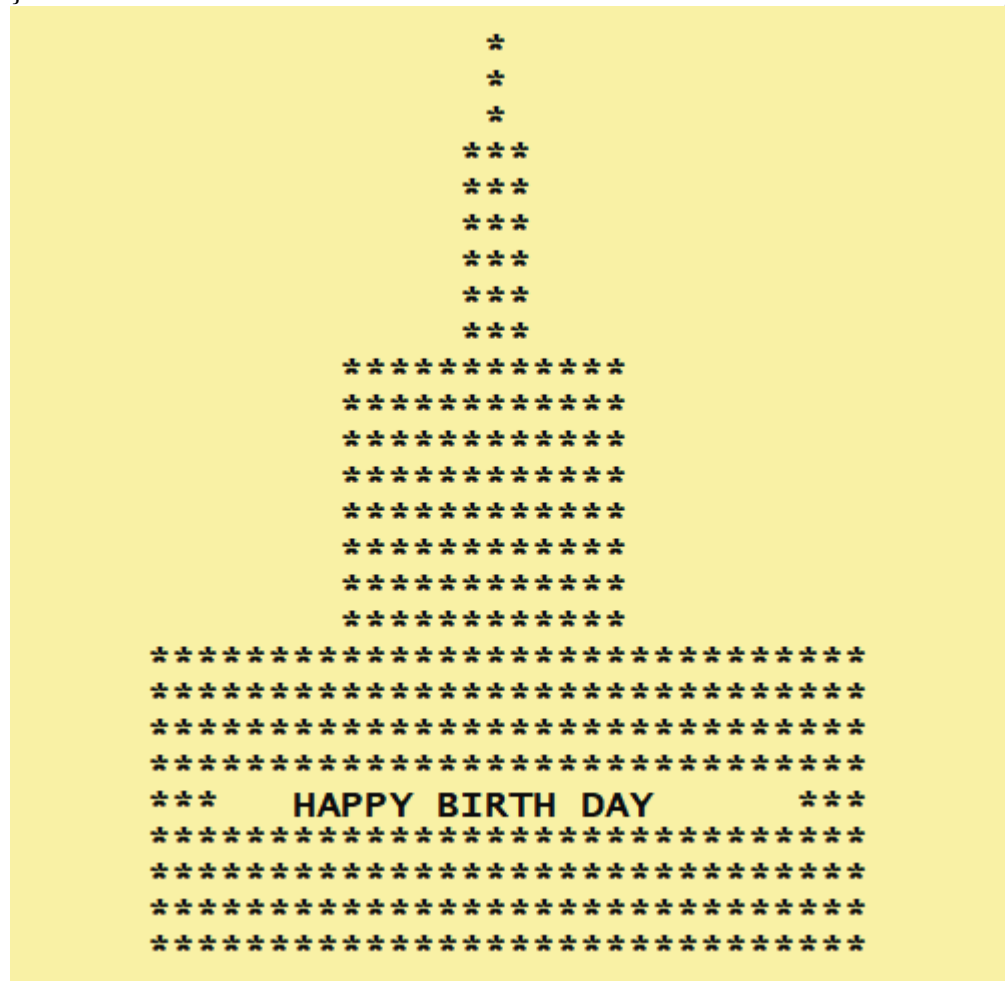


//Cake//

```
//cake
#include<iostream>
using namespace std;
int main()
{
    int i,j,k;
    cout<<"\n\n\n"<<endl;
    for(i=1;i<=3;i++)
        cout<<"\t\t\t\t*"<<endl;
    for(i=1;i<=6;i++)
        cout<<"\t\t\t\t****"<<endl;
    for(i=1;i<=8;i++)
    {
        cout<<"\t\t\t\t";
        for(j=1;j<=12;j++)
            cout<<"*";
        cout<<endl;
    }
    for(i=1;i<=4;i++)
    {
        cout<<"\t\t\t\t";
        for(j=1;j<=30;j++)
```

```
        cout<<"*";
        cout<<endl;

    }
    cout<<"\t\t***  HAPPY BIRTH DAY  ***"<<endl;
    for(i=1;i<=4;i++)
    {
        cout<<"\t\t";
        for(j=1;j<=30;j++)
            cout<<"*";
        cout<<endl;
    }
}
```



Website:

<https://programcodescpp.wixsite.com/programcodes>

Email:

Program.codes.cpp@gmail.com

Facebook Page:

<https://web.facebook.com/DJVprogrammers>

YouTube Channel

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