QUESTION 1:-

```java
public class project1
{

        public static void main(String[] args)
        {
                // TODO Auto-generated method stub
                int n=11;
                for (int i=0;i<n;i++)
                {
                        for(int j=0;j<n;j++)
                        {
                                if(j==(n-1)/2 || i==0 && j<n-1 || i==n-1 && j<n-1)
                                {
                                        System.out.print("*");
                                }
                                else
                                {
                                        System.out.print(" ");
                                }
                        }


                        for(int j=0;j<n;j++)
                        {
                                if(i==(n-1)/2 && j>0 && j<=(n-1)/2)
                                {
                                        System.out.print("*");
                                }
                                else
                                {
                                        System.out.print(" ");
```

```java
            }

    }
    for(int j=0;j<n;j++)
    {
            if(j==0 || j==n-1 || i==j)
            {
                    System.out.print("*");
            }
            else
            {
                    System.out.print(" ");
            }

    }


    for(int j=0;j<n;j++)
    {
            if(j==n/4 || i==0 && j>n/4 && j<n-1 || i==(n-1)/2 && j>n/4 && j<n-1
                            || i==n-1 && j>n/4 && j<n-1 )
            {
                    System.out.print("*");
            }
            else
            {
                    System.out.print(" ");
            }

    }


    for(int j=0;j<n;j++)
    {
            if(j==0 && i<n-1 || j==(3*n)/4 && i<n-1 || i==n-1 && j>0 && j<(3*n)/4 )
            {
```

```java
                    System.out.print("*");
            }
            else
            {
                    System.out.print(" ");
            }

    }


    for(int j=0;j<n;j++)
    {
            if(j==0 || i==0 && j<(3*n)/4 || i==(n-1)/2 && j<(3*n)/4 ||
                            j==(3*n)/4 && i>0 && i<(n-1)/2
                            || i-j==(n-1)/2)
            {
                    System.out.print("*");
            }
            else
            {
                    System.out.print(" ");
            }

    }


    for(int j=0;j<n;j++)
    {
            if(i==0 && j>0 && j<(3*n)/4 || i==n-1 && j>0 && j<(3*n)/4 ||
                            j==0 && i>0 && i<n-1 || j==(3*n)/4 && i>0 && i<n-1)
            {
                    System.out.print("*");
            }
            else
            {
                    System.out.print(" ");
```

```java
			}

		}

		for(int j=0;j<n;j++)
		{
			if(j==0 || j==n-1 || i==j)
			{
				System.out.print("*");
			}
			else
			{
				System.out.print(" ");
			}

		}


				System.out.println();
		}
	}
}
```

QUESTION 2 :-

```java
public class project5 {

    public static void main(String[] args) {
        int n=5;
        for(int i=1;i<n;i++)
        {
            for(int j=1;j<n;j++)
            {
                System.out.print(i);
            }
            System.out.println();
        }

    }

}
```

QUESTION 3:-

```java
public class project2 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int n=21;
        for ( int i=0;i<n;i++)
        {
            for(int j=0;j<n;j++)
            {
                if(i==0 || j==0 || i==n-1 || j==n-1 ||

                            i+j<=(n-1)/2 || j-i>=(n-1)/2)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }



                            System.out.println();
        }


    }

}
```

QUESTION 4:-

```java
package fullstack;

public class project3 {

	public static void main(String[] args) {
		// TODO Auto-generated method stub
		int n=21;
		for (int i=0;i<n;i++)
		{
			for (int j=0;j<n;j++)
			{
				if(i-j>=(n-1)/2 || i+j>=n-1+(n-1)/2 || i==n-1 )
				{
					System.out.print("*");
				}
				else
				{
					System.out.print(" ");
				}
			}
				System.out.println();
		}

	}

}
```

QUESTION 5 :-

```java
public class project4 {

    public static void main(String[] args) {
        // TODO Auto-generated method stub
        int n=21;
        for (int i=0;i<n;i++)
        {
            for (int j=0;j<n;j++)
            {
                if(i==0 || i==n-1 || i-j>=(n-1)/2 || i+j<=(n-1)/2 || j==0)
                {
                    System.out.print("*");
                }
                else
                {
                    System.out.print(" ");
                }
            }
                    System.out.println();
        }

    }

}
```