

```
The Generic Solution

package com.unacademy.Generics;
public class GenericMethodSquare
{

public static < T extends Number > double genericMethodSqr(T a)

{

return a.doubleValue() *a.doubleValue();
}
public static void main(String[] args)
{

System.out.println(GenericMethodSquare.<Integer>
System.out.println(GenericMethodSqr(4.3));
}
}

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```



```
Generic Method Example : Middle Element

package com. unacademy. Generics;
class ArrayMiddleElement

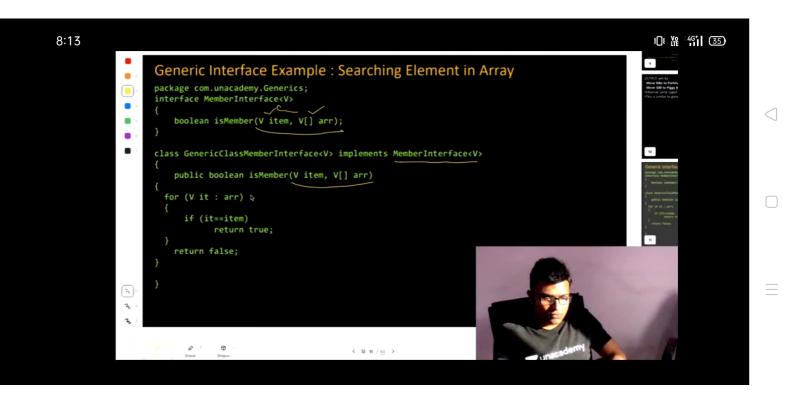
public c1> I getMiddle(I... arr)

return arr[arr.length/2];
}

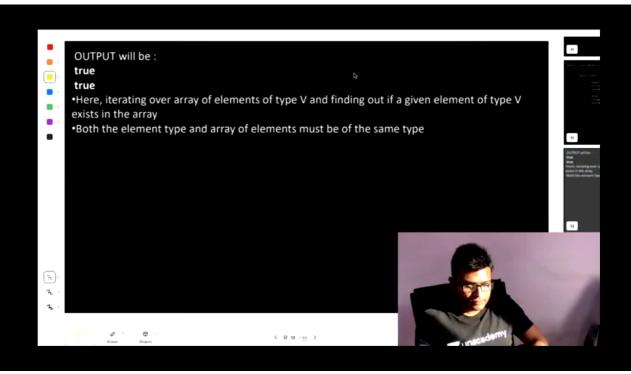
public class GenericMethodArrayMiddleElement

{
    public static void main(String[]args)
    {
        ArrayMiddleElement obj=new ArrayMiddleElement();
        String s=obj.getMiddle("A" "B", "C", "D", "E");
        System.out.println(s);
        int a=obj.getMiddle(34,56,78,12);
        System.out.println(a);
}

Let's see
```



```
public class GenericInterfaceExample
{
    public static void main(String[]args)
    {
        GenericClassMemberInterface<String> obj1=new GenericClassMemberInterface<>();
        String [] strArr= {^A", "B", "C", "G");
        System.out.println(obj1.isMember("G", strArr));
        GenericClassMemberInterface("G", strArr));
        GenericClassMemberInterface("G", strArr));
        GenericClassMemberInterface("G", strArr));
        System.out.println(obj2.isMember(8,intArr));
    }
}
}
```



```
Generic Interface Example: Custom Object as Typed Parameter
package com.unacademy.Generics;
interface RelocatedU>
{
    void move(U item,String location);
}

class Animal
{
    private String name;
    this.name=name;
}
    String getName()
{
        return name;
}
}
```

```
public class GenericInterfaceAnimal implements Relocate<Animal>
{
    public void move(Animal t,String location)
    {
        System.out.println("Relocating "+t.getName()+" to "+location);
    }
    public static void main(String[]args)
    {
        Relocate<Animal> objAnimal=new GenericInterfaceAnimal();
        objAnimal.move(new Animal("Elephant"), "Jungle");
    }
}
```

