

JAVA CODES 2

1.Find the biggest element in array

Code:

```
import java.util.*;

class BigInArray{

public static void main(String args[]){

Scanner obj = new Scanner(System.in);

int n= obj.nextInt();

int[] a=new int[n];

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

a[i]=obj.nextInt();}

int b=a[0];

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

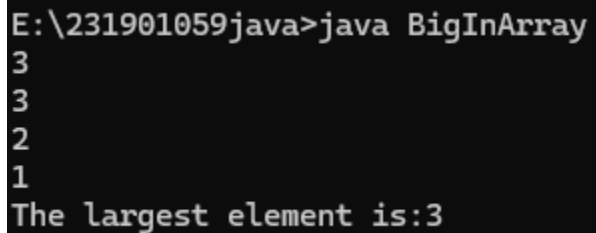
if(a[i]>b){

b=a[i];}

}System.out.println("The largest element is:"+b);

}

}
```

A screenshot of a terminal window with a black background and white text. The prompt is 'E:\231901059java>java BigInArray'. The user has entered the numbers 3, 3, 2, and 1 on separate lines. The program's output is 'The largest element is:3' on the final line.

```
E:\231901059java>java BigInArray
3
3
2
1
The largest element is:3
```

2. Find the sum of N elements

Code:

```
import java.util.*;

class SumOfN{

public static void main(String args[]){

Scanner obj=new Scanner(System.in);

int i=1,s=0;

int n=obj.nextInt();

while(i<n+1){

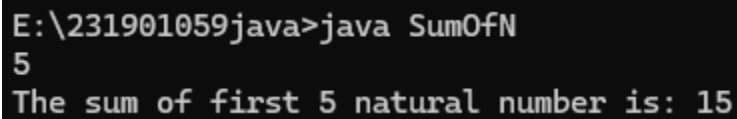
s=s+i;

i++;

}System.out.printf("The sum of first %d natural number is: %d",n,s);

}

}
```



```
E:\231901059java>java SumOfN
5
The sum of first 5 natural number is: 15
```

3. Write a code using array which breaks the loop when the number is 5

Code:

```
public class BranchingStatements {

public static void main(String[] args) {

int[] numbers = {1, 2, 3, 4, 5, 6, 7, 8, 9, 10};

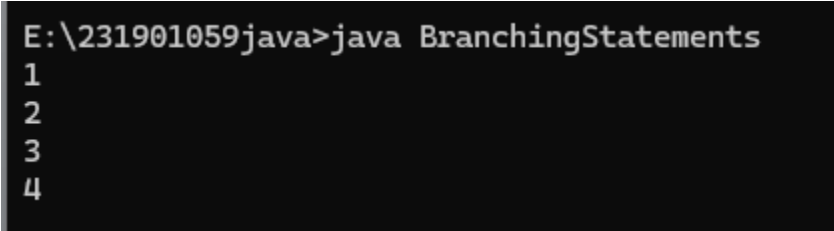
for (int num : numbers) {

if (num == 5) {

break; }

}
```

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



```
E:\231901059java>java BranchingStatements  
1  
2  
3  
4
```

4.Find whether the given day is weekday or weekend.

```
import java.util.Scanner;  
class Loop  
{  
    public static void main(String args[]){  
        Scanner obj= new Scanner(System.in);  
        String n=obj.nextLine();  
        switch(n){  
            case "Monday":  
            case "Tuesday":  
            case "Wednesday":  
            case "Thursday":  
            case "Friday":  
                System.out.println(n+ "is a Weekday");  
                break;  
            case "Saturday":  
            case "Sunday":  
                System.out.println(n+ "is a Weekend");  
                break;  
            default:  
                System.out.println("Invalid day");  
        }  
    }  
}
```

```
D:\231901037>javac Loop.java

D:\231901037>java Loop
Monday
Mondayis a Weekday

D:\231901037>javac Loop.java

D:\231901037>java Loop
Saturday
Saturdayis a Weekend

D:\231901037>javac Loop.java

D:\231901037>java Loop
yeiua
Invalid day
```

```
5. public class Loops {

    public static void main(String[] args) {

        String day = "MONDAY";

        String typeOfDay = switch (day) {

            case "MONDAY", "TUESDAY", "WEDNESDAY", "THURSDAY", "FRIDAY" ->
"Weekday";

            case "SATURDAY", "SUNDAY" -> "Weekend";

            default -> "Invalid day";

        };

        System.out.println("Type of Day: " + typeOfDay);

    }

}
```

```
D:\231901037>javac Loops.java

D:\231901037>java Loops
Type of Day: Weekday
```

6: Perform basic arithmetic operations on two numbers.

```
class Sample
{
    public static void main(String[ ] args)
```

```
{  
int a = 10;  
int b = 3;  
System.out.println("a + b = " + (a + b) );  
System.out.println("a - b = " + (a - b) );  
System.out.println("a * b = " + (a * b) );  
System.out.println("a / b = " + (a / b) );  
System.out.println("a % b = " + (a % b) );  
}  
}
```

```
D:\231901037>javac Sample.java
```

```
D:\231901037>java Sample
```

```
a + b = 13
```

```
a - b = 7
```

```
a * b = 30
```

```
a / b = 3
```

```
a % b = 1
```