

Session 4 – Assignment 1- Array

Problem Statement 2. Declare an integer array of size 10. Initialize using for loop with 1 to 10, and print all even numbers from an array.

```
class ArrayExample {  
    public static void main(String[] args) {  
        // Create an array for 10 numbers 1 to 10  
        int[] nums = new int[10];  
        // Initialize array with numbers 1 to 10 using a for-loop  
        // accessing the elements of the specified array  
        for (int i = 0; i < nums.length; i++)  
            nums[i] = i + 1; // +1 since we want 1-10 and not 0-9  
        //Print only all even numbers  
        for (int i = 0; i < nums.length; i++)  
        {  
            if (nums[i]%2==0)  
                System.out.println("Even numbers" + i +": " + nums[i]);  
        }  
    }  
}
```



Command Prompt

```
C:\My Programs>javac ArrayExample.java
```

```
C:\My Programs>java ArrayExample
```

```
Even numbers1: 2
```

```
Even numbers3: 4
```

```
Even numbers5: 6
```

```
Even numbers7: 8
```

```
Even numbers9: 10
```