

1. Declare a single-dimensional array of 5 integers inside the `main` method. Traverse the array to print the default values. Then accept records from the user and print the updated values of the array.

```
import java.util.Scanner;

public class ArrayExample{
    public static void main (String args[]){
        int arr[] = new int [5];
        System.out.println("Deafult values of the array:");
        for (int i =0; i < arr.length;i++){
            System.out.println(arr[i]);
        }
        Scanner scanner = new Scanner(System.in);
        for( int i =0; i <arr.length;i++){
            arr[i] =scanner.nextInt();
        }
        System.out.println("udate value of array");
        for(int i =0;i<arr.length;i++){
            System.out.println(arr[i]);
        }
    }
}
```

```
Deafult values of the array:
0
0
0
0
0
1
2
3
4
5
udate value of array
1
2
3
4
5
```

2. Declare a single-dimensional array of 5 integers inside the `main` method. Define a method named `acceptRecord` to get input from the terminal into the array and another method named `printRecord` to print the state of the array to the terminal.

```
import java.util.Scanner;
public class ArrayExample2{

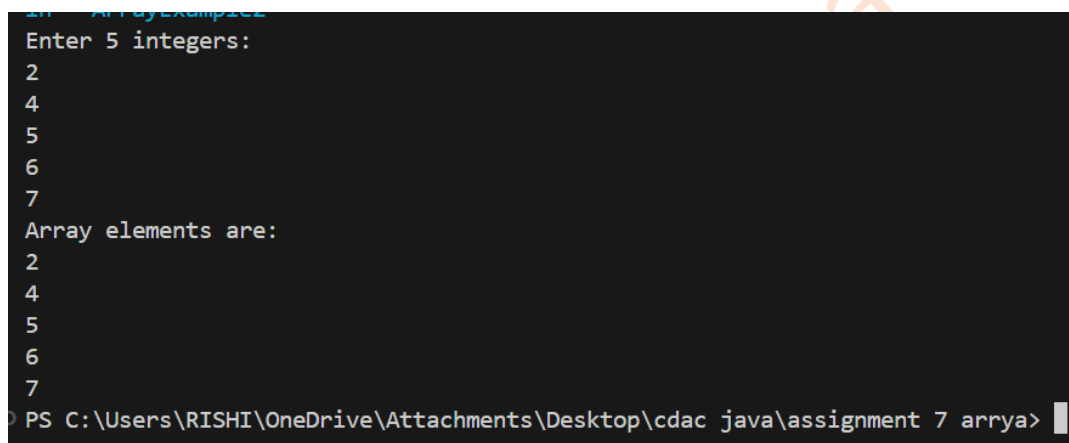
    public static void main(String[] args) {
        int[] arr = new int[5]; //single dimesion array
        acceptRecord(arr); //accept
        printRecord(arr); //print
    }
    // method to accept
```

```

public static void acceptRecord(int[] arr) {
    Scanner scanner = new Scanner(System.in);
    System.out.println("Enter 5 integers:");
    for (int i = 0; i < arr.length; i++) {
        arr[i] = scanner.nextInt();
    }
}

// Method to print
public static void printRecord(int[] arr) {
    System.out.println("Array elements are:");
    for (int i = 0; i < arr.length; i++) {
        System.out.println(arr[i]);
    }
}
}

```



```

Enter 5 integers:
2
4
5
6
7
Array elements are:
2
4
5
6
7
PS C:\Users\RISHI\OneDrive\Attachments\Desktop\cdac java\assignment 7 arraya>

```

- Write a program to find the maximum and minimum values in a single-dimensional array of integers.

```

import java.util.Scanner;
public class ArrayExample3 {
    public static void main(String args[]){
        int arr[] = new int [5];
        acceptRecord(arr);
        findMaxMin(arr);
    }
    public static void acceptRecord(int[] arr){
        Scanner scanner =new Scanner(System.in);
        System.out.println("Enter 5 integers");
        for(int i=0;i<5;i++){
            arr[i] = scanner.nextInt();
        }
    }
    public static void findMaxMin(int arr []){
        int max =arr[0];
        int min =arr[0];
        for(int i =1; i< arr.length; i++){

```

```
        if (arr[i]> max){  
            max =arr[i];  
        }  
        if(arr[i]<min){  
            min =arr[i];  
        }  
    }  
    System.out.println("Maximum value is "+max);  
    System.out.println("Minimum value is "+min);  
}  
}
```

Enter 5 integers

2

4

6

8

9

Maximum value is 9

Minimum value is 2

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