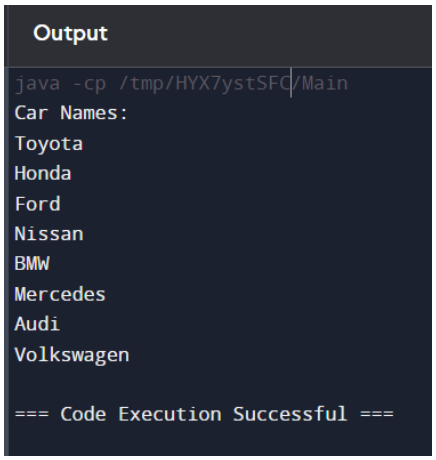
02-08-2024

Create an array list add all car name to the list and display it all .

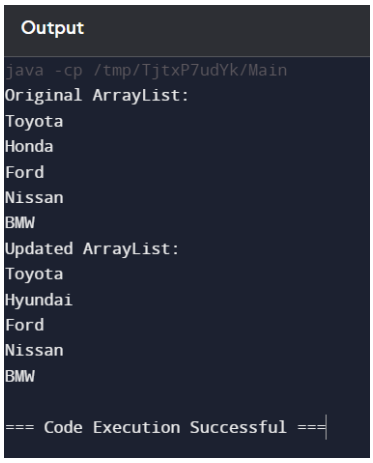
```
import java.util.ArrayList;
public class Main {
    public static void main(String[] args) {
        ArrayList<String> carNames = new ArrayList<>();
        carNames.add("Toyota");
        carNames.add("Honda");
        carNames.add("Ford");
        carNames.add("Nissan");
        carNames.add("BMW");
        carNames.add("Mercedes");
        carNames.add("Audi");
        carNames.add("Volkswagen");
        System.out.println("Car Names:");
        for (String carName : carNames) {
            System.out.println(carName);
        }
    }
}
```



write a java program to replace the 2nd element on array list with specified element.

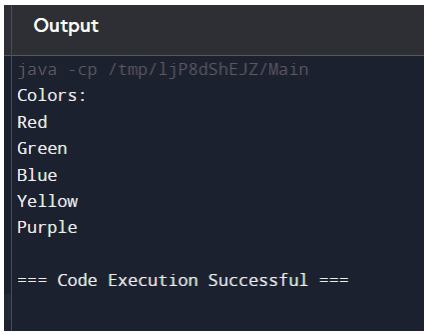
```
import java.util.ArrayList;
public class Main {
    public static void main(String[] args) {
```

```
        ArrayList<String> carNames = new ArrayList<>();
        carNames.add("Toyota");
        carNames.add("Honda");
        carNames.add("Ford");
        carNames.add("Nissan");
        carNames.add("BMW");
        System.out.println("Original ArrayList:");
        for (String carName : carNames) {
            System.out.println(carName);
        }
        String newElement = "Hyundai";
        if (carNames.size() >= 2) {
            carNames.set(1, newElement);
        } else {
            System.out.println("ArrayList does not have a 2nd element.");
        }
        System.out.println("Updated ArrayList:");
        for (String carName : carNames) {
            System.out.println(carName);
        }
    }
}
```



write a java program to create a array list add some colour and print the collection.

```
import java.util.ArrayList;
public class Main {
    public static void main(String[] args) {
        ArrayList<String> colors = new ArrayList<>();
        colors.add("Red");
        colors.add("Green");
        colors.add("Blue");
        colors.add("Yellow");
        colors.add("Purple");
        System.out.println("Colors:");
        for (String color : colors) {
            System.out.println(color);
        }
    }
}
```



Reverse the element in the array list in java.

```
import java.util.ArrayList;
import java.util.Collections;
public class Main {
    public static void main(String[] args) {
        ArrayList<String> colors = new ArrayList<>();
        colors.add("Red");
        colors.add("Green");
        colors.add("Blue");
        colors.add("Yellow");
        colors.add("Purple");
```

```
        System.out.println("Original ArrayList:");
        for (String color : colors) {
            System.out.println(color);
        }
        Collections.reverse(colors);
        System.out.println("Reversed ArrayList:");
        for (String color : colors) {
            System.out.println(color);
        }
    }
}
```