

## 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:");

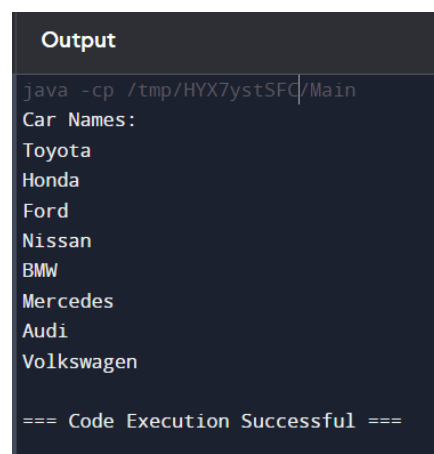
        for (String carName : carNames) {

            System.out.println(carName);

        }

    }

}
```



```
Output
java -cp /tmp/HYX7ystSFC/Main
Car Names:
Toyota
Honda
Ford
Nissan
BMW
Mercedes
Audi
Volkswagen

=== Code Execution Successful ===
```

**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);
}
}
}

```

```

Output
java -cp /tmp/TjtxP7udYk/Main
Original ArrayList:
Toyota
Honda
Ford
Nissan
BMW
Updated ArrayList:
Toyota
Hyundai
Ford
Nissan
BMW
=== Code Execution Successful ===

```

**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) {

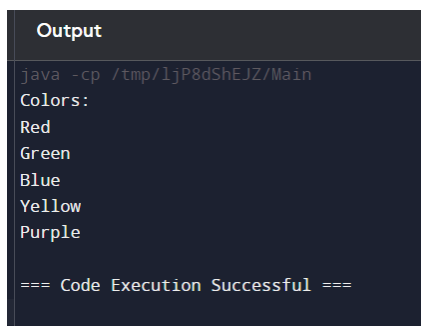
            System.out.println(color);

        }

    }

}

```



```

Output
java -cp /tmp/ljP8dShEJZ/Main
Colors:
Red
Green
Blue
Yellow
Purple

=== Code Execution Successful ===

```

### 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);  
}  
}  
}
```

```
Output  
java -cp /tmp/0U9tbnxfSu/Main  
Original ArrayList:  
Red  
Green  
Blue  
Yellow  
Purple  
Reversed ArrayList:  
Purple  
Yellow  
Blue  
Green  
Red  
=== Code Execution Successful ===
```