**ARRAY LIST CONCEPT:-**

**package** listConcept;

**import** java.util.ArrayList;

**public** **class ArrayListConcept** {

**public** **static** **void** main(String[] args) {

ArrayList ar = **new** ArrayList();

ar.add(10); //0

ar.add(20); //1

ar.add(30); //2

System.*out*.println(ar.size());

ar.add(40); //3

ar.add(50); //4

System.*out*.println(ar.size());

ar.add("Tom"); //5

ar.add("Hello"); //6

ar.add(12.33); //7

ar.add('M'); //8

System.*out*.println(ar.size());

System.*out*.println(ar.get(7));

System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

ar.remove(8); // 8th array removed from the o/p

**for**(**int** i=0; i<ar.size(); i++)

{

System.*out*.println(ar.get(i));

}

System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

// non generic & Generic

ArrayList <String> ar1= **new** ArrayList <String>();

ar1.add("Test");

ar1.add("Dev");

ArrayList <String> ar2= **new** ArrayList <String>();

ar2.add("Selenium");

ar2.add("Design");

ar1.addAll(ar2); // add ar1 & ar2 Content

**for**(**int** i=0; i<ar1.size(); i++)

{

System.*out*.println(ar1.get(i));

}

System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

ArrayList <Integer> ar3= **new** ArrayList <Integer> ();

ar3.add(100);

ar3.add(200);

ArrayList <Integer> ar4= **new** ArrayList <Integer> ();

ar4.add(100);

ar4.add(2864);

ar3.retainAll(ar4); // common content from ar3 & ar4

**for**(**int** j=0; j<ar3.size(); j++)

{

System.*out*.println(ar3.get(j));

}

System.*out*.println("\*\*\*\*\*\*\*\*\*\*\*\*\*\*");

}

//Employee Class Object

Employee e1= **new** Employee("Shaina", 22, "QA");

Employee e2= **new** Employee("Samar", 25, "Dev");

Employee e3= **new** Employee("Shanky", 28, "admin");

//Create ArrayList

/\*ArrayList<Employee> ar5 = new ArrayList<Employee>();

ar5.add(e1);

ar5.add(e2);

ar5.add(e3);

//iterator is to traverse the values

Iterator<Employee> it= ar5.iterator();

while(it.hasNext()){

Employee emp = it.next();

System.out.println(emp.name);

System.out.println(emp.age);

System.out.println(emp.dept);

}\*/

}