

Assignment 3

Write a program which can store List of Integer values and print all the values using for loop.

Answer :

```
package Assignment3;

import java.util.ArrayList;
import java.util.List;

public class First {

    public static void main(String[] args)

    {
        ArrayList<Integer> obj3=new ArrayList<Integer>();

        obj3.add(100);
        obj3.add(400);
        obj3.add(500);
        obj3.add(600);
        obj3.add(700);

        for (int i=0;i<obj3.size();i++)
        {
            System.out.println(obj3.get(i));
        }

    }

}
```

Write a program which can store List of Integer values and print all the values using for for loop.

Answer :

```
package Assignment3;

import java.util.ArrayList;
import java.util.List;

public class First {

    public static void main(String[] args)

    {
        ArrayList<Integer> obj3=new ArrayList<Integer>();

        obj3.add(100);
        obj3.add(400);
        obj3.add(500);
```

```

        obj3.add(600);
        obj3.add(700);

        for (Integer var:obj3)
        {
            System.out.println(var);
        }
    }
}

```

Write a program which can store List of Integer values and print all the values using for iterator

Answer :

```

package Assignment3;

import java.util.ArrayList;
import java.util.Iterator;
import java.util.List;

public class First {

    public static void main(String[] args)
    {
        ArrayList<Integer> obj3=new ArrayList<Integer>();

        obj3.add(100);
        obj3.add(400);
        obj3.add(500);
        obj3.add(600);
        obj3.add(700);

        Iterator<Integer> itr=obj3.iterator();

        while(itr.hasNext())
        {
            Integer num=itr.next();

            System.out.println(num);
        }
    }
}

```

Write a program which will print sum of all numbers which is stored in list.

Answer :

```
package Assignment3;

import java.util.ArrayList;
import java.util.Iterator;
import java.util.List;

public class First {

    public static void main(String[] args)

    {
        ArrayList<Integer> obj3=new ArrayList<Integer>();

        obj3.add(100);
        obj3.add(400);
        obj3.add(500);
        obj3.add(600);
        obj3.add(600);

        int c=obj3.get(0)+obj3.get(1)+obj3.get(2)+obj3.get(3)+obj3.get(4);

        System.out.println(c);

    }

}
```

Write a program which will pick the values from Array and Store them List.

Answer :

```
package Assignment3;

import java.util.ArrayList;
import java.util.Iterator;
import java.util.LinkedList;
import java.util.List;

public class First {

    public static void main(String[] args)

    {
        ArrayList<Integer> obj3=new ArrayList<Integer>();

        obj3.add(100);
        obj3.add(400);
        obj3.add(500);
        obj3.add(600);
        obj3.add(600);

        //System.out.println(obj3);

        List<Integer> obj4=new ArrayList<Integer>();
```

```

        {
            obj4.addAll(obj3);
            System.out.println(obj4);
        }
    }
}

```

Create a list of numbers 33,44,55,66,77,88 and perform below operation

Remove second element from list using index

Remove second element from list using value

Add 90 at index 3

Get the length of list

Print all values from list using any values

Convert List into array.

Answer :

```

package Assignment3;

import java.util.ArrayList;
import java.util.Iterator;
import java.util.LinkedList;
import java.util.List;

public class First {

    public static void main(String[] args)

    {
        ArrayList<Integer> obj12=new ArrayList<Integer>();

        obj12.add(33);
        obj12.add(44);
        obj12.add(55);
        obj12.add(66);
        obj12.add(77);
        obj12.add(88);

        //Remove second element from list using index

        System.out.println(obj12);

        System.out.println(obj12.remove(2));

        System.out.println(obj12);

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

        //Add 90 at index 3
    }
}

```

```

obj12.add(3, 90);
System.out.println(obj12);

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

//Get the length of list

System.out.println("length of list "+obj12.size());

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

//Print all values from list using any values

for (Object var:obj12)
{
    System.out.println(var);
}

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

//Convert List into array and Printing the Values

Object[] convert4=obj12.toArray();
for (Object var:obj12)
{
    System.out.println(var);
}

}

```

Write a program which will display true if list contains Mobile else prints false
List - Web Automation, API Automation, Mobile Automation.
Output – True

Answer :

```

package Assignment3;

import java.util.ArrayList;
import java.util.List;

public class Third33 {

    public static void main(String[] args)

    {
List<String> list100= new ArrayList<String>();

```

```
list100.add("Web Automation");  
list100.add("API Automation");  
list100.add("Mobile Automation");  
  
System.out.println(list100);  
  
System.out.println(list100.get(2));  
  
System.out.println(list100.get(2).contains("Mobile"));  
}  
  
}
```