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listInt.java


```java
import java.util.*;
public class listInt{//open class


        public static void main(String[] args){//open main method


                //create arraylist, scanner objects

                ArrayList<Integer> list = new ArrayList<Integer>();

                Scanner scan = new Scanner(System.in);

                //create boolean to check if more inputs are required

                boolean more = true;


                //while loop to take inputs and add to list

                while(more == true){//open while loop

                        System.out.print("\nEnter an integer: ");


                        //try to take an integer input and add to list.

                        try{//open try block


                                int x = scan.nextInt();

                                //Java compiler autoboxing here

                                list.add(x);

                                //second input to check if another loop is required
```

```java
            System.out.print("Do you want to enter another number? Y/N ");

            char y = scan.next().charAt(0);


            //if n, N: don't loop again
            if(y=='n' || y=='N'){//open if condition

                    more = false;

            }//close if condition


        }catch(InputMismatchException notInteger){//open error exception

            //If input is invalid, print this.

            System.out.println("Invalid Input.");

            scan.next();

        }//close exception


    }//close while loop


    //for loop to print out list
    //auto unboxing each Integer object in ArrayList


    for(int x: list){//open loop

            System.out.println(x);

    }//close loop

}//close main method


}//close class
```

```
Enter an integer: 5
Do you want to enter another number? Y/N y

Enter an integer: 4
Do you want to enter another number? Y/N y

Enter an integer: 3
Do you want to enter another number? Y/N y

Enter an integer: 2.2
Invalid Input.

Enter an integer: 2
Do you want to enter another number? Y/N y

Enter an integer: 1
Do you want to enter another number? Y/N y

Enter an integer: 0
Do you want to enter another number? Y/N n
5
4
3
2
1
0
```