

To-do List Simple Java console-based application

```
import java.util.ArrayList;
import java.util.Scanner;

public class main2
{
    static ArrayList<String> arr=new ArrayList<String>();
    public static void add()
    {
        Scanner sc=new Scanner(System.in);
        String str="";
        System.out.println("Enter the item you want to add: ");
        str=sc.nextLine();

        boolean bool=arr.add(str);
        if(bool==true)
        {
            System.out.println("Item added in the list");
        }
    }

    public static void delete()
    {
        Scanner sc=new Scanner(System.in);
        int pos=0;
        System.out.println("Enter the position of item to be deleted: ");
        pos=sc.nextInt();

        if(arr.size()!=0)
        {
            arr.remove(pos-1);
            System.out.println("Item deleted from list");
        }
        else
        {
            System.out.println("List is empty");
        }
    }

    public static void display()
    {
        if(arr.size()!=0) {
            System.out.println("-----");
            System.out.println("Element in the list are:");
            for (int i = 0; i < arr.size(); i++) {
                System.out.println(arr.get(i));
            }
            System.out.println("-----");
        }
        else
        {
            System.out.println("list is empty");
        }
    }
}
```

```

    }
}

public static void main(String[] args)
{
    int choice=0;
    Scanner sc=new Scanner(System.in);
    do
    {
        System.out.println("\n 1.add\n 2.delete\n 3.display\n");
        System.out.println("Enter your choice: ");
        choice=sc.nextInt();
        switch(choice){
            case 1:{
                add();
                break;
            }
            case 2: delete();
            break;
            case 3: display();
            break;
        }
    }while(choice<=3);
}
}

```

The screenshot shows the IntelliJ IDEA interface with the 'Run' window open. The 'Run' tab displays the output of the program, which is a menu-driven application for adding, deleting, and displaying elements in a list. The user has entered '1' to add an element, and the program has prompted for the item to add, which was 'Java'.

```

"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.1.3\lib\idea_rt.jar=61169:C:\Program Files\JetBrains\I
Array_prob src \main2 delete
Project main2
Run: main2
1.add
2.delete
3.display
Enter your choice:
1
Enter the item you want to add:
Java
Item added in the list

1.add
2.delete
3.display

Enter your choice:
-----
Element in the list are:
Java
-----

1.add
2.delete
3.display

Enter your choice:

```

```
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Array_prob - main2.java
Array_prob src \ main2 delete
Project main2
Run: main2
"C:\Program Files\Java\jdk-17.0.2\bin\java.exe" "-javaagent:C:\Program Files\JetBrains\IntelliJ IDEA Community Edition 2022.1.3\lib\idea_rt.jar=61169:C:\Program Files\JetBrains\I
1.add
2.delete
3.display
Enter your choice:
1
Enter the item you want to add:
Java
```

```
File Edit View Navigate Code Refactor Build Run Tools VCS Window Help Array_prob - main2.java
Array_prob src \ main2 delete
Project main2
Run: main2
2.delete
3.display
Enter your choice:
1
Enter the item you want to add:
Java
Item added in the list
1.add
2.delete
3.display
Enter your choice:
1
-----
Element in the list are:
Java
application
console
based
code
-----
1.add
2.delete
3.display
Enter your choice:
|
```