slip20

```java
import java.awt.*;

import java.awt.event.*;

class s20q1 {

  public static void main(String[] args) {

      Frame frame = new Frame("TYBBACA");

      frame.setBackground(Color.RED);

      frame.setSize(400, 300);

      frame.addWindowListener(new WindowAdapter() {

        public void windowClosing(WindowEvent we) {

          frame.dispose();

        }
      });

      frame.setLayout(new FlowLayout());
```

```java
        frame.setVisible(true);


    }

}
```

```java
import java.util.LinkedList;

import java.util.Iterator;

import java.util.ListIterator;

public class s20q2 {
    public static void main(String[] args) {


        LinkedList<String> name = new LinkedList<>();

        name.add("CPP");

        name.add("Java");

        name.add("Python");

        name.add("PHP");


        System.out.println("Contents of the LinkedList:");

        Iterator<String> iterator = name.iterator();

        while (iterator.hasNext()) {

            System.out.println(iterator.next());
```

```java
        }


        System.out.println("\nContents of the LinkedList in reverse order:");

        ListIterator<String> listIterator = name.listIterator(name.size());

        while (listIterator.hasPrevious()) {

            System.out.println(listIterator.previous());

        }

    }

}
```

```python
import math

class Circle:

    def __init__(self, radius):

        self.radius = radius


    def area(self):

        return math.pi * (self.radius ** 2)


    def circumference(self):

        return 2 * math.pi * self.radius

radius = float(input("Enter the radius of the circle: "))

circle = Circle(radius)
```

```python
circle_area = circle.area()

circle_circumference = circle.circumference()


print(f"Circle with radius {radius}:")

print(f"Area = {circle_area:.2f}")

print(f"Circumference = {circle_circumference:.2f}")
```

```python
n = int(input("Enter a number: "))


squared_dict = {x: x * x for x in range(1, n + 1)}


print("Generated Dictionary:", squared_dict)
```