

```

① import java.io.*;
public class main {
    private int num;
private int num;
    private int size;
    public main (int x) {
        num = x;
        size = 0;
    }
    void countDigit () {
        for (int m = num; m != 0; m /= 10)
            size++;
    }
    public int sumOfDigits (int x, int p) {
        if (x < 10)
            return (int) Math.pow (x, p);
        else {
            int t = (int) Math.pow (x, p);
            size++;
        }
    }
    public int sumOfDigits (int x, int p)
    {
        if (x < 10)
            return (int) Math.pow (x, p);

```



```
else {
```

```
    int t = (int) Math.pow(x, p);
```

```
else {
```

```
    return return t + sumOfDigits(x/10, --p);
```

```
}
```

```
}
```

```
public void check() {
```

```
    if (num == sumOfDigits(num, size))
```

```
        System.out.println(num + " is a  
        Palindrome Number.");
```

```
}
```

```
public static void main (String args  
[])
```

```
throws IOException {
```

```
    "InputStream Reader" in = new
```

```
InputStreamReader in = new
```

```
BufferedReader(System.in);
```

```
    System.out.println("Author: G.V.
```

```
Ajay\n sap ID: 51834593");
```

```
    System.out.print("Number:");
```

```
    int x = Integer.parseInt(buf.readLine());
```

```
    Main obj = new Main(x);
```

```
    obj.CountDigit();
```

```
    obj.check();
```

```
}
```

```
}
```