

Lexer Test Case Documentation

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1 Valid Cases

```
{1 = 2}$  
{}$  
{{{}}}$  
{print(a)}$  
{print(2)}$  
{print("a")}$  
{print(false)}$  
{print("inta")}$  
print(a){print(a)}$  
{a = 1}$  
{a = 1 + 2 + 3 + 4 + 5}$  
{  
    int a  
    a = a  
    string b  
    a = b  
}$
```

```
{int a a=a string b a=b}$
```

```
{  
  /* comments */  
  string b  
}$
```

```
{  
  string s  
  s = "this string is /* in */ visible"  
}$
```

```
{  
  boolean d  
  d = {"string" != "string"}  
}$
```

2 Invalid Cases

```
{"}$}$
```

Throws Invalid Character in String error at the first \$.

```
{"two  
lines"}$
```

Throws Multiline Space in String error.

```
{print("No CAP")}$
```

Throws Invalid Character in String error at N.

```
"no digits 007"$
```

Throws Invalid Character in String error at 0.

```
{!@#%^&*$}$
```

Throws Invalid Character error at the !.

```
{int A}$
```

Throws Invalid Character error at A \$.

```
{ /* unterminated comment }$
```

Throws Missing End Comment error.

```
{"hello }$
```

Throws Unterminated String error.