

## 16th & 17th

8

8

8 + 8

16

8 - 8

0

10 \* 2

20

10 / 2

5.0

10 // 2

5

3 \* 2

6

3 \*\* 2

9

3 \*\* 3

27

-

27

8

8

-

8

- + 3

11

- + 3

14

\_ - 12

2

3 + 6 \* 4 - 2 - 1

24

3 + 6 \* 4 - (2 - 1)

26

```
import math
math.pi
```

3.141592653589793

```
math.ceil(7.4)
```

8

```
math.floor(8.4)
```

8

welcome to nit

```
Cell In[21], line 1
    welcome to nit
      ^
```

SyntaxError: invalid syntax

*'welcome to Day-01'*

*"welcome to Day-01"*

*'''welcome to Day-01'''*

*'welcome to*  
*Day-01'*

*"welcome to*  
*Day-01"*

*'''welcome to*  
*Day-01'''*

—

```
s = 'hello world'
```

s

```
s[10]
```

## Practice

```
spam=1
```

```
text='Harsha'
```

```
2+2
```

```
4
```

```
50-5*6
```

```
20
```

```
(50-5*6) / 4
```

```
5.0
```

```
8/5
```

```
1.6
```

```
17/3
```

```
5.666666666666667
```

```
17//3
```

```
5
```

```
17%3
```

```
2
```

```
5*3+2
```

```
17
```

```
5**2
```

```
25
```

```
2**7
```

```
128
```

```
w=20
```

```
h=5*9
```

```
w*h
```

```
900
```

```
n
```

```

-----
NameError                                Traceback (most recent call
last)
Cell In[17], line 1
----> 1 n

NameError: name 'n' is not defined

4*3.75-1
14.0

t=12.5/100
p=100.5
p*t
12.5625

p+_
113.0625

round(_, 2)
113.06

'string'
'string'
'hello im harsha'
'hello im harsha'
'2004'
'2004'
'doesn\'t'
"doesn't"
"doesn't"
"doesn't"
' "yes, "they said'
' "yes, "they said'
print('firsline \nsecondline')

```

```

firsline
secondline

print('\some\name')

\some
ame

<>:1: SyntaxWarning: invalid escape sequence '\s'
<>:1: SyntaxWarning: invalid escape sequence '\s'
C:\Users\vinja\AppData\Local\Temp\ipykernel_5124\1610060849.py:1:
SyntaxWarning: invalid escape sequence '\s'
    print('\some\name')

print(r'\some\name')

\some\name

""" \
    hello world

    this is a multiline string
    """

'    hello world\n\n    this is a multiline string\n    '

3*'un'+ 'ium'

'unununium'

'py'+ 'thon'

'python'

w='Harsha'

w[0]

'H'

w[-1]

'a'

w[0:4]

'Hars'

w[:2]

'Ha'

w[:4]

```

```
'Hars'
```

```
w[:]
```

```
'Harsha'
```

```
len(w)
```

```
6
```

```
s=[1,4,5,6,7,8,9]
```

```
s
```

```
[1, 4, 5, 6, 7, 8, 9]
```

```
s[0]
```

```
1
```

```
s[9]
```

```
-----
```

```
-----  
IndexError                                Traceback (most recent call  
last)
```

```
Cell In[51], line 1
```

```
----> 1 s[9]
```

```
IndexError: list index out of range
```

```
s[-5]
```

```
5
```

```
s[-3:]
```

```
[7, 8, 9]
```