

# Feb 22 DSA Day1

February 22, 2021

int x; x = 10 or int x = 10;

```
[1]: x = 10  
     print(x)
```

10

```
[2]: 2 + 3
```

```
[2]: 5
```

```
[3]: 3 * 5
```

```
[3]: 15
```

```
[4]: 2 ** 4
```

```
[4]: 16
```

```
[12]: x = y = z = 10  
      print(x, end = '+')  
      print(y, end = '+')  
      print(z)
```

10+10+10

```
[11]: print(12 / 3)
```

4.0

```
[15]: x, y, z = 10, 20, 30  
      print(x, end = ' ')  
      print(y, end = ' ')  
      print(z)
```

102030

```
[14]: x, y, z = 10, 20, 30  
      print(x, y, z)
```

10 20 30

a = 10 b = 10 c = 10

```
[16]: a = b = c = 10
      print(id(a), id(b), id(c))
```

1664312640 1664312640 1664312640

x = 10 ;""" """" x = 20

```
[18]: b = 20
      print(b)
      print(id(a), id(b), id(c))
      print(a, c)
      #integer is immutable
```

20

1664312640 1664312800 1664312640

10 10

```
[20]: x = input('Enter val1: ')
      y = input('Enter val2: ')
      print(x + y)

      print(type(x), type(y))
```

Enter val1: 10

Enter val2: 20

1020

<class 'str'> <class 'str'>

```
[21]: x = int(input('Enter val1: '))
      y = int(input('Enter val2: '))
      print(x + y)

      print(type(x), type(y))
```

Enter val1: 10

Enter val2: 20

30

<class 'int'> <class 'int'>

```
[22]: x = int(input('Enter val1: '))
      y = int(input('Enter val2: '))

      temp = x
      x = y
      y = temp
```

```
print(x, y)
```

Enter val1: 10

Enter val2: 20

20 10

```
[23]: x = int(input('Enter val1: '))
      y = int(input('Enter val2: '))

      x, y = y, x

      print(x, y)
```

Enter val1: 10

Enter val2: 20

20 10

```
[ ]:
```