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| **Course:** | **Python course** | **USN:** | **4al17ec093** |
| **Topic:** | **1.Python comparison operator**  **2.Python statements** | **Semester & Section:** | **6th & ‘B’** |
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**Report:**

1. **Python operator:**

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| --- | --- | --- |
| **Operator** | **Description** | **Example** |
| == | If the values of two operands are equal, then the condition becomes true. | (a == b) is not true. |
| != | If values of two operands are not equal, then condition becomes true. | (a != b) is true |
| > | If the value of left operand is greater than the value of right operand, then condition becomes true. | (a > b) is not true. |
| < | If the value of left operand is less than the value of right operand, then condition becomes true. | (a < b) is true. |
| >= | If the value of left operand is greater than or equal to the value of right operand, then condition becomes true. | (a >= b) is not true. |
| <= | If the value of left operand is less than or equal to the value of right operand, then condition becomes true. | (a <= b) is true. |

**Coding example:**

* 2 == 2

Output: True

* if a>b:

a = 2

b = 4

# Examples of Arithmetic Operator

a =9

b = 4

# Addition of numbers

add = a + b

# Subtraction of numbers

sub = a - b

# Multiplication of number

mul = a \* b

# Division(float) of number

div1 = a / b

# Division(floor) of number

div2 = a // b

# Modulo of both number

mod = a % b

# Power

p = a \*\* b

# print results

print(add)

print(sub)

print(mul)

print(div1)

print(div2)

print(mod)

print(p)

* **output:**

13

5

36

2.25

2

1

656

**2.Python statements:**

Conditional Statement in Python perform different computations or actions depending on whether a specific Boolean constraint evaluates to true or false.

* There are total 5 conditional statements which can be used in bash programming:
* if statements
* else statements
* elif statements
* nested if statements
* switch statements

**code:**

#Code in this cell

for x in range(1,100):

if (x%3==0) and (x%5==0):

print('FizzBuzz')

if x%5==0:

print('Buzz')

if x%3==0:

print('Fizz')

else:

print(x)