# Operators Associativity and Precedence Assignment

1. **Use operator associativity, evaluate the folowing expressions and predict the output**
   1. **x = 34 + 12/4 – 56 =** -19
   2. **12 + 3 - 4 / 2 < 3 + 1 =** False
   3. **(2 + (3 + 2) ) \* 10 =** 70
   4. **34 + 12/4 – 45 =** -8
2. **Rewrite the following expressions with improved readability**
   1. **age < 18 && height < 48 || age > 60 && height > 72**
   2. **char name value**
   3. **char $name**
3. a. (age<18 && height < 48 ) || (age>60 && height >72)

b. char name=

1. **Predict the value of a after each statement.**

int main(void)

{

int i = 10;

char a = 'd';

a += 10;

a \*= 5;

a /= 4;

a %= 2;

a \*= a + i;

**return** 0;

}

I=10.

a= d, a=100

a=n a=110

a= nil a=550

a= nil a=137

a=nil a=1

a = nil a=11

1. **Consider a = 12, b = 3, predict the output of the following .**
   1. **(a>100) && (b<10) :**  False
   2. **(a==4) && (b==2)** : False
   3. **(a==11) && (a++)** : False
2. **Consider a = 10, b = 11, predict the output of the following .**
   1. **(a>10) || (b<10) :** True
   2. **a || 12.12 :**  False
   3. **a || b :**  False
   4. **!(a > 5) :** False
3. **Consider int age = 10, height = 45, year = 2000; Predict the output of the following.**
   1. **(age < 12 && height < 48) || (age > 65 && height > 72) :** True
   2. **(year % 4 == 0 && year % 100 != 0 ) || (year % 400 == 0);** : True