# **Operators Associativity and Precedence Assignment**

1. **Use operator associativity, evaluate the folowing expressions and predict the output**
   1. **x = 34 + 12/4 – 56**
   2. **12 + 3 - 4 / 2 < 3 + 1**
   3. **(2 + (3 + 2) ) \* 10**
   4. **34 + 12/4 – 45**

a . -19

b . false

c. 70

d. -8

1. **Rewrite the following expressions with improved readability**
   1. **age < 18 && height < 48 || age > 60 && height > 72**
   2. **char name value**
   3. **char $name**

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

**4.Consider a = 12, b = 3, predict the output of the following .**

* 1. **(a>100) && (b<10)**
  2. **(a==4) && (b==2)**
  3. **(a==11) && (a++)**

a. False

b. False

c. False

1. **Consider a = 10, b = 11, predict the output of the following .**
   1. **(a>10) || (b<10)**
   2. **a || 12.12**
   3. **a || b**
   4. **!(a > 5)**

a. True

b. False

c. False

d. False

1. **Consider int age = 10, height = 45, year = 2000; Predict the output of the following.**
   1. **(age < 12 && height < 48) || (age > 65 && height > 72)**
   2. **(year % 4 == 0 && year % 100 != 0 ) || (year % 400 == 0);**

a. True

b.True