/\* Challenge 1 \*/ let a = 10; let b = "20"; let c = 80; console.log(++a + +b++ + +c++ - +a++); /\* [++a]

Value = 11 Explain = pre-increment operator [+] = "addition operater" [+b++] Value = 20; Explain = first unary plus operator convert the value from string to number, then post-increment increase the value by 1 to be 21 but not used [+] = "addition operater" [+c++] Value = 80; Explain = unary plus operator has not effect becuase the date type already number, then post-increment increase the value by 1 to be 81 but not used [-] = subtraction operater [+a++] Value = 11; Explain = Unary plus operator has not effect becuase the date type already number, then post-increment increase the value by 1 to be 12 but not used so, the total value = 11 + 20 + 80 - 11 = 100 \*/ // a = 12 b = 21 c = 81 console.log(++a + -b + +c++ + a++ + +a); /\* [++a] Value = 13 Explain = pre-increment increase the value of a by 1 to be 13 [+] = addtion operator [-b] Value = -21 Explain = Unary negation operator convent the data type from string to number with differnt sign [+] = addition operator [+c++] Value = 81; Explain = Unary plus operator has not effect becuase the date type already number, then post-increment increase the value by 1 to be 82 but not used [-] = subtraction operater [-a++] Value = -13 Explain = post-increment increase the value by 1 to be 14 but not used [+] = additon operator [+a] Value = 14 Explain = Unary plus operator has not effect becuase the date type already number so, the total value = 13 -21 + 81 - -13 + 14 = 100 \*/ // a = 14 b = 21 c = 82 console.log(--c + +b + --a \* +b++ - +b \* a + --a - +true); /\* [--c] Value = 81 Explain = pre-decrement decress the value by 1 to be 81 [+] = addition operator [+b] Value = 21 Explain = Unary plus operator has no effect because the date type is already number [+] = addition operator [--a] Value = 13 Explain = pre decrement decress the value by 1 to be 13 [\*] = multiplication operator [+b++] Value = 21 Explain = Unary plus operator has no effect because the date type is already number, then post increment increase the value by 1 to be 22 [-] = subtraction operator [+b] Value = 22 Expalin = Unary plus operator has no effect effect [\*] = multiplaction operator [a] Value = 13 Explain = from the previous a [+] = Addition operator [--a] Value = 12 Explain = Pre-decrement decress the value by 1 to be 12 [-] = subtraction operator [+true] Value = 1 Expalin = unary plus opertor change the date type from boolean to be number so, the total value = 81 + 21 + (13 \* 21) - (22 \* 13) + 12 - 1 = 100 \*/ /\*Challenge 2 \*/ let d = "-100"; let e = "20"; let f = 30; let g = true; console.log(-d \* +e); //2000 console.log(++e \* ++g + -d + ++f); //173