

Output:

Enter the total number of terms in the polynomial:3

Enter the COEFFICIENT and EXPONENT in DESCENDING ORDER

Enter the Coefficient(1): 6

Enter the exponent(1): 2

Enter the Coefficient(2): 4

Enter the exponent(2): 1

Enter the Coefficient(3): 2

Enter the exponent(3): 0

First polynomial :  $6(x^2)+2(x^0)4(x^1)+2(x^0)$

Enter the total number of terms in the polynomial:3

Enter the COEFFICIENT and EXPONENT in DESCENDING ORDER

Enter the Coefficient(1): 8

Enter the exponent(1): 2

Enter the Coefficient(2): 6

Enter the exponent(2): 1

Enter the Coefficient(3): 3

Enter the exponent(3): 0

Second polynomial :  $8(x^2)+3(x^0)6(x^1)+3(x^0)$

Resultant polynomial after addition :  $14(x^2)+5(x^0)10(x^1)+5(x^0)$