

<report in the program>

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This program is written in JAVA

<class polynomial>

::= array of <coef,expon>s

<polynomial ADT>

polynomial [] Zero()

::= return polynomial $P(x)=0$

polynomial [] Attach(polynomial [] poly, float coef, int expon)

::=if(expon is not in poly)

then return polynomial inserted <coef, expon>

else

then return error

polynomial [] Add(polynomial [] poly1, polynomial [] poly2)

return added polynomial of poly1 and poly2

<Other functions>

int Getlength(polynomial [] poly)

return the number of polynomial's terms

polynomial[] Getnumbers(polynomial [] poly)

return a polynomial having the input from the user

polynomial [] SortPolynomial(polynomial [] poly)

return a sorted polynomial by exponential descendently

PrintPoly(polynomial [] poly)

print information of polynomial to the consol