**CFGs**

Int main {} (

Print{“hello”}

) ye syntax parse krke dekhna h S se!

<S> <import\_st> <defs> DT ID { } : <body> <defs>

<import\_st> €

<import\_st> import ID from ID

<import\_st> from ID import ID

<defs> <func\_def> <defs> | <class\_def> <defs> | <interface\_def> <defs> | <enums\_def> <defs> |  €

“ class or interface me header ki left factoring hogi “

<func\_def> done

<class\_def> done

<interface\_def> done

<enums\_def> done

< body > → ( <MST> <return\_st> )

<MST> <SST> <MST> | €

<SST> <dec\_var> | <dec\_arr>

<SST> <dec\_obj> | <dec\_enum>

<SST> <dec\_dict>

<SST> <ifelse\_st>

<SST> <while\_st>

<SST> flowcontrol

<SST> <trycatch\_st>

<SST> <print\_st>

<SST> <input\_st>

<SST> <assgn\_var> | <fn\_call> | <instof\_st> | <assgn\_arr> | <assgn\_obj> | <assgn\_dict> | <assgn\_enum> | <incdec\_st>

<SST> <throw\_st>

<dec\_var> done

<dec\_obj> done

<dec\_arr> done

<dec\_dict> done

<dec\_enum> done

<ifelse\_st> if { <OE> } : <body> <else\_if> <else>

<else\_if> Elseif { <OE> } : <body> <else\_if> | €

<else> else <body> | €

<while\_st> while { <OE> }: <body>

<instof\_st> <TS> ID <option> instanceof ID **( issue resolved, opt added)**

<return\_st> → € | return <OE>

<fn-call> → <TS> ID <option> { <args\_list> }

<TS> TS . |  €

<option> → ∈ | . ID <option> | [ <exp> ] <option> | ( <args\_list> ) <option2>

<option2> → . ID <option>

<args\_list> <OE> <list\_args> | ∈

<list\_args> , <OE> <list\_args> | ∈

<trycatch\_st> try : <body> catch {ID ID} : <body> finally : <body>

syntax of print:   
dikhao{a,”b,55”,7+8}

<print\_st> --> print{<OE><list>} ( line change issue )

<list>-->,<OE><List> | ∈

Syntax:

A = input{“enter name”}

<input\_st> --> input{str\_const}

Assgn ke saare assignemt ki file me

<incdec\_st> inc-dec <TS> ID <option> | <TS> ID <option> inc-dec

<throw\_st> throw new ID { <args\_list> }

<args\_list> <OE> <list\_args> | ∈

<list\_args> , <OE> <list\_args> | ∈